

PF-0356-3 DIV

<110> Lal, Preeti
Hillman, Jennifer L.
Bandman, Olga
Shah, Purvi
Au-Young, Janice
Yue, Henry
Guegler, Karl J.
Corley, Neil C.

<120> HUMAN REGULATORY MOLECULES

<130> PF-0356-3 DIV

<140> To Be Assigned

<141> Herewith

<160> 98

<170> PERL Program

<210> 1

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 000133

<400> 1

Met	Thr	Asn	Glu	Glu	Pro	Leu	Pro	Lys	Lys	Val	Arg	Leu	Ser	Glu
1				5					10					15
Thr	Asp	Phe	Lys	Val	Met	Ala	Arg	Asp	Glu	Leu	Ile	Leu	Arg	Trp
				20					25					30
Lys	Gln	Tyr	Glu	Ala	Tyr	Val	Gln	Ala	Leu	Glu	Gly	Lys	Tyr	Thr
				35					40					45
Asp	Leu	Asn	Ser	Asn	Asp	Val	Thr	Gly	Leu	Arg	Glu	Ser	Glu	Glu
				50					55					60
Lys	Leu	Lys	Gln	Gln	Gln	Gln	Glu	Ser	Ala	Arg	Arg	Glu	Asn	Ile
				65					70					75
Leu	Val	Met	Arg	Leu	Ala	Thr	Lys	Glu	Gln	Glu	Met	Gln	Glu	Cys
				80					85					90
Thr	Thr	Gln	Ile	Gln	Tyr	Leu	Lys	Gln	Val	Gln	Gln	Pro	Ser	Val
				95					100					105
Ala	Gln	Leu	Arg	Ser	Thr	Met	Val	Asp	Pro	Ala	Ile	Asn	Leu	Phe
				110					115					120
Phe	Leu	Lys	Met	Lys	Gly	Glu	Leu	Glu	Gln	Thr	Lys	Asp	Lys	Leu
				125					130					135
Glu	Gln	Ala	Gln	Asn	Glu	Leu	Ser	Ala	Trp	Lys	Phe	Thr	Pro	Asp
				140					145					150
Arg														

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<210> 2
<211> 185
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 001762

<400> 2
Met Leu Thr Leu Ala Ser Lys Leu Lys Arg Asp Asp Gly Leu Lys
1 5 10 15
Gly Ser Arg Thr Ala Ala Thr Ala Ser Asp Ser Thr Arg Arg Val
20 25 30
Ser Val Arg Asp Lys Leu Leu Val Lys Glu Val Ala Glu Leu Glu
35 40 45
Ala Asn Leu Pro Cys Thr Cys Lys Val His Phe Pro Asp Pro Asn
50 55 60
Lys Leu His Cys Phe Gln Leu Thr Val Thr Pro Asp Glu Gly Tyr
65 70 75
Tyr Gln Gly Gly Lys Phe Gln Phe Glu Thr Glu Val Pro Asp Ala
80 85 90
Tyr Asn Met Val Pro Pro Lys Val Lys Cys Leu Thr Lys Ile Trp
95 100 105
His Pro Asn Ile Thr Glu Thr Gly Glu Ile Cys Leu Ser Leu Leu
110 115 120
Arg Glu His Ser Ile Asp Gly Thr Gly Trp Ala Pro Thr Arg Thr
125 130 135
Leu Lys Asp Val Val Trp Gly Leu Asn Ser Leu Phe Thr Asp Leu
140 145 150
Leu Asn Phe Asp Asp Pro Leu Asn Ile Glu Ala Ala Glu His His
155 160 165
Leu Arg Asp Lys Glu Asp Phe Arg Asn Lys Val Asp Asp Tyr Ile
170 175 180
Lys Arg Tyr Ala Arg
185

<210> 3
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 001847

<400> 3
Met Gly Lys Val Asn Val Ala Lys Leu Arg Tyr Met Ser Arg Asp

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1	5	10	15
Asp Phe Arg Val	Leu Thr Ala Val	Glu Met Gly Met	Lys Asn His
	20	25	30
Glu Ile Val Pro	Gly Ser Leu Ile	Ala Ser Ile Ala	Ser Leu Lys
	35	40	45
His Gly Gly Cys	Asn Lys Val Leu	Arg Glu Leu	Val Lys His
	50	55	

<210> 4

<211> 338

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 009337

<400> 4

Met Leu Glu Thr	Phe Gly His Leu	Val Ser Val Gly	Trp Glu Thr
1	5	10	15
Thr Leu Glu Asn	Lys Glu Leu Ala	Pro Asn Ser Asp	Ile Pro Glu
	20	25	30
Glu Glu Pro Ala	Pro Ser Leu Lys	Val Gln Glu Ser	Ser Arg Asp
	35	40	45
Cys Ala Leu Ser	Ser Thr Leu Glu	Asp Thr Leu Gln	Gly Gly Val
	50	55	60
Gln Glu Val Gln	Asp Thr Val Leu	Lys Gln Met Glu	Ser Ala Gln
	65	70	75
Glu Lys Asp Leu	Pro Gln Lys Lys	His Phe Asp Asn	Arg Glu Ser
	80	85	90
Gln Ala Asn Ser	Gly Ala Leu Asp	Thr Asn Gln Val	Ser Leu Gln
	95	100	105
Lys Ile Asp Asn	Pro Glu Ser Gln	Ala Asn Ser Gly	Ala Leu Asp
	110	115	120
Thr Asn Gln Val	Leu Leu His Lys	Ile Pro Pro Arg	Lys Arg Leu
	125	130	135
Arg Lys Arg Asp	Ser Gln Val Lys	Ser Met Lys His	Asn Ser Arg
	140	145	150
Val Lys Ile His	Gln Lys Ser Cys	Glu Arg Gln Lys	Ala Lys Glu
	155	160	165
Gly Asn Gly Cys	Arg Lys Thr Phe	Ser Arg Ser Thr	Lys Gln Ile
	170	175	180
Thr Phe Ile Arg	Ile His Lys Gly	Ser Gln Val Cys	Arg Cys Ser
	185	190	195
Glu Cys Gly Lys	Ile Phe Arg Asn	Pro Arg Tyr Phe	Ser Val His
	200	205	210
Lys Lys Ile His	Thr Gly Glu Arg	Pro Tyr Val Cys	Gln Asp Cys
	215	220	225
Gly Lys Gly Phe	Val Gln Ser Ser	Ser Leu Thr Gln	His Gln Arg
	230	235	240

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Val	His	Ser	Gly	Glu	Arg	Pro	Phe	Glu	Cys	Gln	Glu	Cys	Gly	Arg
				245					250					255
Thr	Phe	Asn	Asp	Arg	Ser	Ala	Ile	Ser	Gln	His	Leu	Arg	Thr	His
				260					265					270
Thr	Gly	Ala	Lys	Pro	Tyr	Lys	Cys	Gln	Asp	Cys	Gly	Lys	Ala	Phe
				275					280					285
Arg	Gln	Ser	Ser	His	Leu	Ile	Arg	His	Gln	Arg	Thr	His	Thr	Gly
				290					295					300
Glu	Arg	Pro	Tyr	Ala	Cys	Asn	Lys	Cys	Gly	Lys	Ala	Phe	Thr	Gln
				305					310					315
Ser	Ser	His	Leu	Ile	Gly	His	Gln	Arg	Thr	His	Asn	Arg	Thr	Lys
				320					325					330
Arg	Lys	Lys	Lys	Gln	Pro	Thr	Ser							
				335										

<210> 5

<211> 456

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 009476

<400> 5

Met	Lys	Ile	Glu	Glu	Val	Lys	Ser	Thr	Thr	Lys	Thr	Gln	Arg	Ile
1				5					10					15
Ala	Ser	His	Ser	His	Val	Lys	Gly	Leu	Gly	Leu	Asp	Glu	Ser	Gly
				20					25					30
Leu	Ala	Lys	Gln	Ala	Ala	Ser	Gly	Leu	Val	Gly	Gln	Glu	Asn	Ala
				35					40					45
Arg	Glu	Ala	Cys	Gly	Val	Ile	Val	Glu	Leu	Ile	Glu	Ser	Lys	Lys
				50					55					60
Met	Ala	Gly	Arg	Ala	Val	Leu	Leu	Ala	Gly	Pro	Pro	Gly	Thr	Gly
				65					70					75
Lys	Thr	Ala	Leu	Ala	Leu	Ala	Ile	Ala	Gln	Glu	Leu	Gly	Ser	Lys
				80					85					90
Val	Pro	Phe	Cys	Pro	Met	Val	Gly	Ser	Glu	Val	Tyr	Ser	Thr	Glu
				95					100					105
Ile	Lys	Lys	Thr	Glu	Val	Leu	Met	Glu	Asn	Phe	Arg	Arg	Ala	Ile
				110					115					120
Gly	Leu	Arg	Ile	Lys	Glu	Thr	Lys	Glu	Val	Tyr	Glu	Gly	Glu	Val
				125					130					135
Thr	Glu	Leu	Thr	Pro	Cys	Glu	Thr	Glu	Asn	Pro	Met	Gly	Gly	Tyr
				140					145					150
Gly	Lys	Thr	Ile	Ser	His	Val	Ile	Ile	Gly	Leu	Lys	Thr	Ala	Lys
				155					160					165
Gly	Thr	Lys	Gln	Leu	Lys	Leu	Asp	Pro	Ser	Ile	Phe	Glu	Ser	Leu
				170					175					180
Gln	Lys	Glu	Arg	Val	Glu	Ala	Gly	Asp	Val	Ile	Tyr	Ile	Glu	Ala

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	185		190		195
Asn Ser Gly Ala Val Lys Arg Gln Gly Arg Cys Asp Thr Tyr Ala					
	200		205		210
Thr Glu Phe Asp Leu Glu Ala Glu Glu Tyr Val Pro Leu Pro Lys					
	215		220		225
Gly Asp Val His Lys Lys Lys Glu Ile Ile Gln Asp Val Thr Leu					
	230		235		240
His Asp Leu Asp Val Ala Asn Ala Arg Pro Gln Gly Gly Gln Asp					
	245		250		255
Ile Leu Ser Met Met Gly Gln Leu Met Lys Pro Lys Lys Thr Glu					
	260		265		270
Ile Thr Asp Lys Leu Arg Gly Glu Ile Asn Lys Val Val Asn Lys					
	275		280		285
Tyr Ile Asp Gln Gly Ile Ala Glu Leu Val Pro Gly Val Leu Phe					
	290		295		300
Val Asp Glu Val His Met Leu Asp Ile Glu Cys Phe Thr Tyr Leu					
	305		310		315
His Arg Ala Leu Glu Ser Ser Ile Ala Pro Ile Val Ile Phe Ala					
	320		325		330
Ser Asn Arg Gly Asn Cys Val Ile Arg Gly Thr Glu Asp Ile Thr					
	335		340		345
Ser Pro His Gly Ile Pro Leu Asp Leu Leu Asp Arg Val Met Ile					
	350		355		360
Ile Arg Thr Met Leu Tyr Thr Pro Gln Glu Met Lys Gln Ile Ile					
	365		370		375
Lys Ile Arg Ala Gln Thr Glu Gly Ile Asn Ile Ser Glu Glu Ala					
	380		385		390
Leu Asn His Leu Gly Glu Ile Gly Thr Lys Thr Thr Leu Arg Tyr					
	395		400		405
Ser Val Gln Leu Leu Thr Pro Ala Asn Leu Leu Ala Lys Ile Asn					
	410		415		420
Gly Lys Asp Ser Ile Glu Lys Glu His Val Glu Glu Ile Ser Glu					
	425		430		435
Leu Phe Tyr Asp Ala Lys Ser Ser Ala Lys Ile Leu Ala Asp Gln					
	440		445		450
Gln Asp Lys Tyr Met Lys					
	455				

<210> 6

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 010370

<400> 6

Met Val Leu Trp Leu Lys Gly Val Thr Phe Asn Val Thr Thr Val
1 5 10 15

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Asp	Thr	Lys	Arg	Arg	Thr	Glu	Thr	Val	Gln	Lys	Leu	Cys	Pro	Gly	
				20					25						30
Gly	Gln	Leu	Pro	Phe	Leu	Leu	Tyr	Gly	Thr	Glu	Val	His	Thr	Asp	
				35					40						45
Thr	Asn	Lys	Ile	Glu	Glu	Phe	Leu	Glu	Ala	Val	Leu	Cys	Pro	Pro	
				50					55						60
Arg	Tyr	Pro	Lys	Leu	Ala	Ala	Leu	Asn	Pro	Glu	Ser	Asn	Thr	Ala	
				65					70						75
Gly	Leu	Asp	Ile	Phe	Ala	Lys	Phe	Ser	Ala	Tyr	Ile	Lys	Asn	Ser	
				80					85						90
Asn	Pro	Ala	Leu	Asn	Asp	Asn	Leu	Glu	Lys	Gly	Leu	Leu	Lys	Ala	
				95					100						105
Leu	Lys	Val	Leu	Asp	Asn	Tyr	Leu	Thr	Ser	Pro	Leu	Pro	Glu	Glu	
				110					115						120
Val	Asp	Glu	Thr	Ser	Ala	Glu	Asp	Glu	Gly	Val	Ser	Gln	Arg	Lys	
				125					130						135
Phe	Leu	Asp	Gly	Asn	Glu	Leu	Thr	Leu	Ala	Asp	Cys	Asn	Leu	Leu	
				140					145						150
Pro	Lys	Leu	His	Ile	Val	Gln	Val	Val	Cys	Lys	Lys	Tyr	Arg	Gly	
				155					160						165
Phe	Thr	Ile	Pro	Glu	Ala	Phe	Arg	Gly	Val	His	Arg	Tyr	Leu	Ser	
				170					175						180
Asn	Ala	Tyr	Ala	Arg	Glu	Glu	Phe	Ala	Ser	Thr	Cys	Pro	Asp	Asp	
				185					190						195
Glu	Glu	Ile	Glu	Leu	Ala	Tyr	Glu	Gln	Val	Ala	Lys	Ala	Leu	Lys	
				200					205						210

<210> 7

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 030137

<400> 7

Met	Leu	Gly	Gln	Leu	Leu	Pro	His	Thr	Ala	Arg	Gly	Leu	Gly	Ala	
1				5					10						15
Ala	Glu	Met	Pro	Gly	Gln	Gly	Pro	Gly	Ser	Asp	Trp	Thr	Glu	Arg	
				20					25						30
Ser	Ser	Ser	Ala	Glu	Pro	Pro	Ala	Val	Ala	Gly	Thr	Glu	Gly	Gly	
				35					40						45
Gly	Gly	Gly	Ser	Ala	Gly	Tyr	Ser	Cys	Tyr	Gln	Asn	Ser	Lys	Gly	
				50					55						60
Ser	Asp	Arg	Ile	Lys	Asp	Gly	Tyr	Lys	Val	Asn	Ser	His	Ile	Ala	
				65					70						75
Lys	Leu	Gln	Glu	Leu	Trp	Lys	Thr	Pro	Gln	Asn	Gln	Thr	Ile	His	
				80					85						90

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Leu	Ser	Lys	Ser	Met	Met	Glu	Ala	Ser	Phe	Phe	Lys	His	Pro	Asp	
				95					100					105	
Leu	Thr	Thr	Gly	Gln	Lys	Arg	Tyr	Leu	Cys	Ser	Ile	Ala	Lys	Ile	
				110					115					120	
Tyr	Asn	Ala	Asn	Tyr	Leu	Lys	Met	Leu	Met	Lys	Arg	Gln	Tyr	Met	
				125					130					135	
His	Val	Leu	Gln	His	Ser	Ser	Gln	Lys	Pro	Gly	Val	Leu	Thr	His	
				140					145					150	
His	Arg	Ser	Arg	Leu	Ser	Ser	Arg	Tyr	Ser	Gln	Lys	Gln	His	Tyr	
				155					160					165	
Pro	Cys	Thr	Thr	Trp	Arg	His	Gln	Leu	Glu	Arg	Glu	Asp	Ser	Gly	
				170					175					180	
Ser	Ser	Asp	Ile	Ala	Ala	Ala	Ser	Ala	Pro	Glu	Met	Leu	Ile	Gln	
				185					190					195	
His	Ser	Leu	Trp	Arg	Pro	Val	Arg	Asn	Lys	Glu	Gly	Ile	Lys	Thr	
				200					205					210	
Gly	Tyr	Ala	Ser	Lys	Thr	Arg	Cys	Lys	Ser	Leu	Lys	Ile	Phe	Arg	
				215					220					225	
Arg	Pro	Arg	Lys	Leu	Phe	Met	Gln	Thr	Val	Ser	Ser	Asp	Asp	Ser	
				230					235					240	
Glu	Ser	His	Met	Ser	Gly	Glu	Lys	Lys	Gly	Arg	Gly	Phe	Thr	Thr	
				245					250					255	

<210> 8

<211> 188

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 077180

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Met	Ala	Leu	Ala	Met	Leu	Val	Leu	Val	Val	Ser	Pro	Trp	Ser	Ala	
1				5					10					15	
Ala	Arg	Gly	Val	Leu	Arg	Asn	Tyr	Trp	Glu	Arg	Leu	Leu	Arg	Lys	
				20					25					30	
Leu	Pro	Gln	Ser	Arg	Pro	Gly	Phe	Pro	Ser	Pro	Pro	Trp	Gly	Pro	
				35					40					45	
Ala	Leu	Ala	Val	Gln	Gly	Pro	Ala	Met	Phe	Thr	Glu	Pro	Ala	Asn	
				50					55					60	
Asp	Thr	Ser	Gly	Ser	Lys	Glu	Asn	Ser	Ser	Leu	Leu	Asp	Ser	Ile	
				65					70					75	
Phe	Trp	Met	Ala	Ala	Pro	Lys	Asn	Arg	Arg	Thr	Ile	Glu	Val	Asn	
				80					85					90	
Arg	Cys	Arg	Arg	Arg	Asn	Pro	Gln	Lys	Leu	Ile	Lys	Val	Lys	Asn	
				95					100					105	
Asn	Ile	Asp	Val	Cys	Pro	Glu	Cys	Gly	His	Leu	Lys	Gln	Lys	His	
				110					115					120	

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Val	Leu	Cys	Ala	Tyr	Cys	Tyr	Glu	Lys	Val	Cys	Lys	Glu	Thr	Ala	
Glu	Ile	Arg	Arg	Gln	Ile	Gly	Lys	Gln	Glu	Gly	Gly	Pro	Phe	Lys	
Ala	Pro	Thr	Ile	Glu	Thr	Val	Val	Leu	Tyr	Thr	Gly	Glu	Thr	Pro	
Ser	Glu	Gln	Asp	Gln	Gly	Lys	Arg	Ile	Ile	Glu	Arg	Asp	Arg	Lys	
Arg	Pro	Ser	Trp	Phe	Thr	Gln	Asn								

<210> 9

<211> 531

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 098974

<400> 9

Met	Ala	Pro	Thr	Ile	Gln	Thr	Gln	Ala	Gln	Arg	Glu	Asp	Gly	His	
1				5					10					15	
Arg	Pro	Asn	Ser	His	Arg	Thr	Leu	Pro	Glu	Arg	Ser	Gly	Val	Val	
				20					25					30	
Cys	Arg	Val	Lys	Tyr	Cys	Asn	Ser	Leu	Pro	Asp	Ile	Pro	Phe	Asp	
				35					40					45	
Pro	Lys	Phe	Ile	Thr	Tyr	Pro	Phe	Asp	Gln	Asn	Arg	Phe	Val	Gln	
				50					55					60	
Tyr	Lys	Ala	Thr	Ser	Leu	Glu	Lys	Gln	His	Lys	His	Asp	Leu	Leu	
				65					70					75	
Thr	Glu	Pro	Asp	Leu	Gly	Val	Thr	Ile	Asp	Leu	Ile	Asn	Pro	Asp	
				80					85					90	
Thr	Tyr	Arg	Ile	Asp	Pro	Asn	Val	Leu	Leu	Asp	Pro	Ala	Asp	Glu	
				95					100					105	
Lys	Leu	Leu	Glu	Glu	Glu	Ile	Gln	Ala	Pro	Thr	Ser	Ser	Lys	Arg	
				110					115					120	
Ser	Gln	Gln	His	Ala	Lys	Val	Val	Pro	Trp	Met	Arg	Lys	Thr	Glu	
				125					130					135	
Tyr	Ile	Ser	Thr	Glu	Phe	Asn	Arg	Tyr	Gly	Ile	Ser	Asn	Glu	Lys	
				140					145					150	
Pro	Glu	Val	Lys	Ile	Gly	Val	Ser	Val	Lys	Gln	Gln	Phe	Thr	Glu	
				155					160					165	
Glu	Glu	Ile	Tyr	Lys	Asp	Arg	Asp	Ser	Gln	Ile	Thr	Ala	Ile	Glu	
				170					175					180	
Lys	Thr	Phe	Glu	Asp	Ala	Gln	Lys	Ser	Ile	Ser	Gln	His	Tyr	Ser	
				185					190					195	
Lys	Pro	Arg	Val	Thr	Pro	Val	Glu	Val	Met	Pro	Val	Phe	Pro	Asp	
				200					205					210	
Phe	Lys	Met	Trp	Ile	Asn	Pro	Cys	Ala	Gln	Val	Ile	Phe	Asp	Ser	

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	215		220		225
Asp Pro Ala Pro	Lys Asp Thr Ser Gly	Ala Ala Ala Leu Glu	Met		
	230		235		240
Met Ser Gln Ala	Met Ile Arg Gly Met	Met Asp Glu Glu Gly	Asn		
	245		250		255
Gln Phe Val Ala	Tyr Phe Leu Pro Val	Glu Glu Thr Leu Lys	Lys		
	260		265		270
Arg Lys Arg Asp	Gln Glu Glu Glu Met	Asp Tyr Ala Pro Asp	Asp		
	275		280		285
Val Tyr Asp Tyr	Lys Ile Ala Arg Glu	Tyr Asn Trp Asn Val	Lys		
	290		295		300
Asn Lys Ala Ser	Lys Gly Tyr Glu Glu	Asn Tyr Phe Phe Ile	Phe		
	305		310		315
Arg Glu Gly Asp	Gly Val Tyr Tyr Asn	Glu Leu Glu Thr Arg	Val		
	320		325		330
Arg Leu Ser Lys	Arg Arg Ala Lys Ala	Gly Val Gln Ser Gly	Thr		
	335		340		345
Asn Ala Leu Leu	Val Val Lys His Arg	Asp Met Asn Glu Lys	Glu		
	350		355		360
Leu Glu Ala Gln	Glu Ala Arg Lys Ala	Gln Leu Glu Asn His	Glu		
	365		370		375
Pro Glu Glu Glu	Glu Glu Glu Glu Met	Glu Thr Glu Glu Lys	Glu		
	380		385		390
Ala Gly Gly Ser	Asp Glu Glu Gln Glu	Lys Gly Ser Ser Ser	Glu		
	395		400		405
Lys Glu Gly Ser	Glu Asp Glu His Ser	Gly Ser Glu Ser Glu	Arg		
	410		415		420
Glu Glu Gly Asp	Arg Asp Glu Ala Ser	Asp Lys Ser Gly Ser	Gly		
	425		430		435
Glu Asp Glu Ser	Ser Glu Asp Glu Ala	Arg Ala Ala Arg Asp	Lys		
	440		445		450
Glu Glu Ile Phe	Gly Ser Asp Ala Asp	Ser Glu Asp Asp Ala	Asp		
	455		460		465
Ser Asp Asp Glu	Asp Arg Gly Gln Ala	Gln Gly Gly Ser Asp	Asn		
	470		475		480
Asp Ser Asp Ser	Gly Ser Asn Gly Gly	Gly Gln Arg Ser Arg	Ser		
	485		490		495
His Ser Arg Ser	Ala Ser Pro Phe Pro	Ser Gly Ser Glu His	Ser		
	500		505		510
Ala Gln Glu Asp	Gly Ser Glu Ala Ala	Ala Ser Asp Ser Ser	Glu		
	515		520		525
Ala Asp Ser Asp	Ser Asp				
	530				

<210> 10

<211> 348

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature

<223> Incyte ID No: 118160

<400> 10

Met	Gly	Gln	Glu	Glu	Glu	Leu	Leu	Arg	Ile	Ala	Lys	Lys	Leu	Glu
1				5					10					15
Lys	Met	Val	Ala	Arg	Lys	Asn	Thr	Glu	Gly	Ala	Leu	Asp	Leu	Leu
				20					25					30
Lys	Lys	Leu	His	Ser	Cys	Gln	Met	Ser	Ile	Gln	Leu	Leu	Gln	Thr
				35					40					45
Thr	Arg	Ile	Gly	Val	Ala	Val	Asn	Gly	Val	Arg	Lys	His	Cys	Ser
				50					55					60
Asp	Lys	Glu	Val	Val	Ser	Leu	Ala	Lys	Val	Leu	Ile	Lys	Asn	Trp
				65					70					75
Lys	Arg	Leu	Leu	Asp	Ser	Pro	Gly	Pro	Pro	Lys	Gly	Glu	Lys	Gly
				80					85					90
Glu	Glu	Arg	Glu	Lys	Ala	Lys	Lys	Lys	Glu	Lys	Gly	Leu	Glu	Cys
				95					100					105
Ser	Asp	Trp	Lys	Pro	Glu	Ala	Gly	Leu	Ser	Pro	Pro	Arg	Lys	Lys
				110					115					120
Arg	Glu	Asp	Pro	Lys	Thr	Arg	Arg	Asp	Ser	Val	Asp	Ser	Lys	Ser
				125					130					135
Ser	Ala	Ser	Ser	Ser	Pro	Lys	Arg	Pro	Ser	Val	Glu	Arg	Ser	Asn
				140					145					150
Ser	Ser	Lys	Ser	Lys	Ala	Glu	Ser	Pro	Lys	Thr	Pro	Ser	Ser	Pro
				155					160					165
Leu	Thr	Pro	Thr	Phe	Ala	Ser	Ser	Met	Cys	Leu	Leu	Ala	Pro	Cys
				170					175					180
Tyr	Leu	Thr	Gly	Asp	Ser	Val	Arg	Asp	Lys	Cys	Val	Glu	Met	Leu
				185					190					195
Ser	Ala	Ala	Leu	Lys	Ala	Asp	Asp	Asp	Tyr	Lys	Asp	Tyr	Gly	Val
				200					205					210
Asn	Cys	Asp	Lys	Met	Ala	Ser	Glu	Ile	Glu	Asp	His	Ile	Tyr	Gln
				215					220					225
Glu	Leu	Lys	Ser	Thr	Asp	Met	Lys	Tyr	Arg	Asn	Arg	Val	Arg	Ser
				230					235					240
Arg	Ile	Ser	Asn	Leu	Lys	Asp	Pro	Arg	Asn	Pro	Gly	Leu	Arg	Arg
				245					250					255
Asn	Val	Leu	Ser	Gly	Ala	Ile	Ser	Ala	Gly	Leu	Ile	Ala	Lys	Met
				260					265					270
Thr	Ala	Glu	Glu	Met	Ala	Ser	Asp	Glu	Leu	Arg	Glu	Leu	Arg	Asn
				275					280					285
Ala	Met	Thr	Gln	Glu	Ala	Ile	Arg	Glu	His	Gln	Met	Ala	Lys	Thr
				290					295					300
Gly	Gly	Thr	Thr	Thr	Asp	Leu	Phe	Gln	Cys	Ser	Lys	Cys	Lys	Lys
				305					310					315
Lys	Asn	Cys	Thr	Tyr	Asn	Gln	Val	Gln	Thr	Arg	Ser	Ala	Asp	Glu
				320					325					330
Pro	Met	Thr	Thr	Phe	Val	Leu	Cys	Asn	Glu	Cys	Gly	Asn	Arg	Trp
				335					340					345

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Lys Phe Cys

<210> 11

<211> 393

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 140516

<400> 11

Met	Arg	Thr	Leu	Phe	Asn	Leu	Leu	Trp	Leu	Ala	Leu	Ala	Cys	Ser
1				5					10					15
Pro	Val	His	Thr	Thr	Leu	Ser	Lys	Ser	Asp	Ala	Lys	Lys	Ala	Ala
				20					25					30
Ser	Lys	Thr	Leu	Leu	Glu	Lys	Ser	Gln	Phe	Ser	Asp	Lys	Pro	Val
				35					40					45
Gln	Asp	Arg	Gly	Leu	Val	Val	Thr	Asp	Leu	Lys	Ala	Glu	Ser	Val
				50					55					60
Val	Leu	Glu	His	Arg	Ser	Tyr	Cys	Ser	Ala	Lys	Ala	Arg	Asp	Arg
				65					70					75
His	Phe	Ala	Gly	Asp	Val	Leu	Gly	Tyr	Val	Thr	Pro	Trp	Asn	Ser
				80					85					90
His	Gly	Tyr	Asp	Val	Thr	Lys	Val	Phe	Gly	Ser	Lys	Phe	Thr	Gln
				95					100					105
Ile	Ser	Pro	Val	Trp	Leu	Gln	Leu	Lys	Arg	Arg	Gly	Arg	Glu	Met
				110					115					120
Phe	Glu	Val	Thr	Gly	Leu	His	Asp	Val	Asp	Gln	Gly	Trp	Met	Arg
				125					130					135
Ala	Val	Arg	Lys	His	Ala	Lys	Gly	Leu	His	Ile	Val	Pro	Arg	Leu
				140					145					150
Leu	Phe	Glu	Asp	Trp	Thr	Tyr	Asp	Asp	Phe	Arg	Asn	Val	Leu	Asp
				155					160					165
Ser	Glu	Asp	Glu	Ile	Glu	Glu	Leu	Ser	Lys	Thr	Val	Val	Gln	Val
				170					175					180
Ala	Lys	Asn	Gln	His	Phe	Asp	Gly	Phe	Val	Val	Glu	Val	Trp	Asn
				185					190					195
Gln	Leu	Leu	Ser	Gln	Lys	Arg	Val	Gly	Leu	Ile	His	Met	Leu	Thr
				200					205					210
His	Leu	Ala	Glu	Ala	Leu	His	Gln	Ala	Arg	Leu	Leu	Ala	Leu	Leu
				215					220					225
Val	Ile	Pro	Pro	Ala	Ile	Thr	Pro	Gly	Thr	Asp	Gln	Leu	Gly	Met
				230					235					240
Phe	Thr	His	Lys	Glu	Phe	Glu	Gln	Leu	Ala	Pro	Val	Leu	Asp	Gly
				245					250					255
Phe	Ser	Leu	Met	Thr	Tyr	Asp	Tyr	Ser	Thr	Ala	His	Gln	Pro	Gly
				260					265					270
Pro	Asn	Ala	Pro	Leu	Ser	Trp	Val	Arg	Ala	Cys	Val	Gln	Val	Leu

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	275		280		285
Asp Pro Lys Ser	Lys Trp Arg Ser Lys	Ile Leu Leu Gly Leu	Asn		
	290		295		300
Phe Tyr Gly Met	Asp Tyr Ala Thr Ser	Lys Asp Ala Arg Glu	Pro		
	305		310		315
Val Val Gly Ala	Arg Tyr Ile Gln Thr	Leu Lys Asp His Arg	Pro		
	320		325		330
Arg Met Val Trp	Asp Ser Gln Ala Ser	Glu His Phe Phe Glu	Tyr		
	335		340		345
Lys Lys Ser Arg	Ser Gly Arg His Val	Val Phe Tyr Pro Thr	Leu		
	350		355		360
Lys Ser Leu Gln	Val Arg Leu Glu Leu	Ala Arg Glu Leu Gly	Val		
	365		370		375
Gly Val Ser Ile	Trp Glu Leu Gly Gln	Gly Leu Asp Tyr Phe	Tyr		
	380		385		390
Asp Leu Leu					

<210> 12
 <211> 320
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 207452

<400> 12

Met Val Gly Tyr Asp	Pro Lys Pro Asp Gly	Arg Asn Asn Thr Lys
1	5	10
Phe Gln Val Ala Val	Ala Gly Ser Val Ser	Gly Leu Val Thr Arg
	20	25
Ala Leu Ile Ser Pro	Phe Asp Val Ile Lys	Ile Arg Phe Gln Leu
	35	40
Gln His Glu Arg Leu	Ser Arg Ser Asp Pro	Ser Ala Lys Tyr His
	50	55
Gly Ile Leu Gln Ala	Ser Arg Gln Ile Leu	Gln Glu Glu Gly Pro
	65	70
Thr Ala Phe Trp Lys	Gly His Val Pro Ala	Gln Ile Leu Ser Ile
	80	85
Gly Tyr Gly Ala Val	Gln Phe Leu Ser Phe	Glu Met Leu Thr Glu
	95	100
Leu Val His Arg Gly	Ser Val Tyr Asp Ala	Arg Glu Phe Ser Val
	110	115
His Phe Val Cys Gly	Gly Leu Ala Ala Cys	Met Ala Thr Leu Thr
	125	130
Val His Pro Val Asp	Val Leu Arg Thr Arg	Phe Ala Ala Gln Gly
	140	145
Glu Pro Lys Val Tyr	Asn Thr Leu Arg His	Ala Val Gly Thr Met
	155	160

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PF-0356-3 DIV

Tyr	Arg	Ser	Glu	Gly	Pro	Gln	Val	Phe	Tyr	Lys	Gly	Leu	Ala	Pro	
				170					175					180	
Thr	Leu	Ile	Ala	Ile	Phe	Pro	Tyr	Ala	Gly	Leu	Gln	Phe	Ser	Cys	
				185					190					195	
Tyr	Ser	Ser	Leu	Lys	His	Leu	Tyr	Lys	Trp	Ala	Ile	Pro	Ala	Glu	
				200					205					210	
Gly	Lys	Lys	Asn	Glu	Asn	Leu	Gln	Asn	Leu	Leu	Cys	Gly	Ser	Gly	
				215					220					225	
Ala	Gly	Val	Ile	Ser	Lys	Thr	Leu	Thr	Tyr	Pro	Leu	Asp	Leu	Phe	
				230					235					240	
Lys	Lys	Arg	Leu	Gln	Val	Gly	Gly	Phe	Glu	His	Ala	Arg	Ala	Ala	
				245					250					255	
Phe	Gly	Gln	Val	Arg	Arg	Tyr	Lys	Gly	Leu	Met	Asp	Cys	Ala	Lys	
				260					265					270	
Gln	Val	Leu	Gln	Lys	Glu	Gly	Ala	Leu	Gly	Phe	Phe	Lys	Gly	Leu	
				275					280					285	
Ser	Pro	Ser	Leu	Leu	Lys	Ala	Ala	Leu	Ser	Thr	Gly	Phe	Met	Phe	
				290					295					300	
Phe	Ser	Tyr	Glu	Phe	Phe	Cys	Asn	Val	Phe	His	Cys	Met	Asn	Arg	
				305					310					315	
Thr	Ala	Ser	Gln	Arg											
				320											

<210> 13

<211> 343

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 208836

<400> 13

Met	Ala	Glu	Gln	Leu	Ser	Pro	Gly	Lys	Ala	Val	Asp	Gln	Val	Cys	
1				5					10					15	
Thr	Phe	Leu	Phe	Lys	Lys	Pro	Gly	Arg	Lys	Gly	Ala	Ala	Gly	Arg	
				20					25					30	
Arg	Lys	Arg	Pro	Ala	Cys	Asp	Pro	Glu	Pro	Gly	Glu	Ser	Gly	Ser	
				35					40					45	
Ser	Ser	Asp	Glu	Gly	Cys	Thr	Val	Val	Arg	Pro	Glu	Lys	Lys	Arg	
				50					55					60	
Val	Thr	His	Asn	Pro	Met	Met	Gln	Lys	Thr	Arg	Asp	Ser	Gly	Lys	
				65					70					75	
Gln	Lys	Ala	Ala	Tyr	Gly	Asp	Leu	Ser	Ser	Glu	Glu	Glu	Glu	Glu	
				80					85					90	
Asn	Glu	Pro	Glu	Ser	Leu	Gly	Val	Val	Tyr	Lys	Ser	Thr	Arg	Ser	
				95					100					105	
Ala	Lys	Pro	Val	Gly	Pro	Glu	Asp	Met	Gly	Ala	Thr	Ala	Val	Tyr	
				110					115					120	
Glu	Leu	Asp	Thr	Glu	Lys	Glu	Arg	Asp	Ala	Gln	Ala	Ile	Phe	Glu	

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				125					130					135
Arg	Ser	Gln	Lys	Ile	Gln	Glu	Glu	Leu	Arg	Gly	Lys	Glu	Asp	Asp
				140					145					150
Lys	Ile	Tyr	Arg	Gly	Ile	Asn	Asn	Tyr	Gln	Lys	Tyr	Met	Lys	Pro
				155					160					165
Lys	Asp	Thr	Ser	Met	Gly	Asn	Ala	Ser	Ser	Gly	Met	Val	Arg	Lys
				170					175					180
Gly	Pro	Ile	Arg	Ala	Pro	Glu	His	Leu	Arg	Ala	Thr	Val	Arg	Trp
				185					190					195
Asp	Tyr	Gln	Pro	Asp	Ile	Cys	Lys	Asp	Tyr	Lys	Glu	Thr	Gly	Phe
				200					205					210
Cys	Gly	Phe	Gly	Asp	Ser	Cys	Lys	Phe	Leu	His	Asp	Arg	Ser	Asp
				215					220					225
Tyr	Lys	His	Gly	Trp	Gln	Ile	Glu	Arg	Glu	Leu	Asp	Glu	Gly	Arg
				230					235					240
Tyr	Gly	Val	Tyr	Glu	Asp	Glu	Asn	Tyr	Glu	Val	Gly	Ser	Asp	Asp
				245					250					255
Glu	Glu	Ile	Pro	Phe	Lys	Cys	Phe	Ile	Cys	Arg	Gln	Ser	Phe	Gln
				260					265					270
Asn	Pro	Val	Val	Thr	Lys	Cys	Arg	His	Tyr	Phe	Cys	Glu	Ser	Cys
				275					280					285
Ala	Leu	Gln	His	Phe	Arg	Thr	Thr	Pro	Arg	Cys	Tyr	Val	Cys	Asp
				290					295					300
Gln	Gln	Thr	Asn	Gly	Val	Phe	Asn	Pro	Ala	Lys	Glu	Leu	Ile	Ala
				305					310					315
Lys	Leu	Glu	Lys	His	Arg	Ala	Thr	Gly	Glu	Gly	Gly	Ala	Ser	Asp
				320					325					330
Leu	Pro	Glu	Asp	Pro	Asp	Glu	Asp	Ala	Ile	Pro	Ile	Thr		
				335					340					

<210> 14

<211> 368

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 569710

<400> 14

Met	Ser	Ala	Gln	Ser	Val	Glu	Glu	Asp	Ser	Ile	Leu	Ile	Ile	Pro
1				5					10					15
Thr	Pro	Asp	Glu	Glu	Glu	Lys	Ile	Leu	Arg	Val	Lys	Leu	Glu	Glu
				20					25					30
Asp	Pro	Asp	Gly	Glu	Glu	Gly	Ser	Ser	Ile	Pro	Trp	Asn	His	Leu
				35					40					45
Pro	Asp	Pro	Glu	Ile	Phe	Arg	Gln	Arg	Phe	Arg	Gln	Phe	Gly	Tyr
				50					55					60
Gln	Asp	Ser	Pro	Gly	Pro	Arg	Glu	Ala	Val	Ser	Gln	Leu	Arg	Glu
				65					70					75

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Leu	Cys	Arg	Leu	Trp	Leu	Arg	Pro	Glu	Thr	His	Thr	Lys	Glu	Gln			
				80					85					90			
Ile	Leu	Glu	Leu	Val	Val	Leu	Glu	Gln	Phe	Val	Ala	Ile	Leu	Pro			
				95					100					105			
Lys	Glu	Leu	Gln	Thr	Trp	Val	Arg	Asp	His	His	Pro	Glu	Asn	Gly			
				110					115					120			
Glu	Glu	Ala	Val	Thr	Val	Leu	Glu	Asp	Leu	Glu	Ser	Glu	Leu	Asp			
				125					130					135			
Asp	Pro	Gly	Gln	Pro	Val	Ser	Leu	Arg	Arg	Arg	Lys	Arg	Glu	Val			
				140					145					150			
Leu	Val	Glu	Asp	Met	Val	Ser	Gln	Glu	Glu	Ala	Gln	Gly	Leu	Pro			
				155					160					165			
Ser	Ser	Glu	Leu	Asp	Ala	Val	Glu	Asn	Gln	Leu	Lys	Trp	Ala	Ser			
				170					175					180			
Trp	Glu	Leu	His	Ser	Leu	Arg	His	Cys	Asp	Asp	Asp	Gly	Arg	Thr			
				185					190					195			
Glu	Asn	Gly	Ala	Leu	Ala	Pro	Lys	Gln	Glu	Leu	Pro	Ser	Ala	Leu			
				200					205					210			
Glu	Ser	His	Glu	Val	Pro	Gly	Thr	Leu	Ser	Met	Gly	Val	Pro	Gln			
				215					220					225			
Ile	Phe	Lys	Tyr	Gly	Glu	Thr	Cys	Phe	Pro	Lys	Gly	Arg	Phe	Glu			
				230					235					240			
Arg	Lys	Arg	Asn	Pro	Ser	Arg	Lys	Lys	Gln	His	Ile	Cys	Asp	Glu			
				245					250					255			
Cys	Gly	Lys	His	Phe	Ser	Gln	Gly	Ser	Ala	Leu	Ile	Leu	His	Gln			
				260					265					270			
Arg	Ile	His	Ser	Gly	Glu	Lys	Pro	Tyr	Gly	Cys	Val	Glu	Cys	Gly			
				275					280					285			
Lys	Ala	Phe	Ser	Arg	Ser	Ser	Ile	Leu	Val	Gln	His	Gln	Arg	Val			
				290					295					300			
His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Leu	Glu	Cys	Gly	Lys	Ala			
				305					310					315			
Phe	Ser	Gln	Asn	Ser	Gly	Leu	Ile	Asn	His	Gln	Arg	Ile	His	Thr			
				320					325					330			
Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Val	Gln	Cys	Gly	Lys	Ser	Tyr	Ser			
				335					340					345			
Gln	Ser	Ser	Asn	Leu	Phe	Arg	His	Gln	Arg	Arg	His	Asn	Ala	Glu			
				350					355					360			
Lys	Leu	Leu	Asn	Val	Val	Lys	Val										
				365													

<210> 15

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 606742

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<400> 15

Met	Glu	Gly	Pro	Arg	Arg	Gly	Pro	Glu	Val	Gly	Gly	Phe	Cys	Lys
1				5					10					15
Tyr	Arg	Leu	Leu	Arg	Val	Ser	Arg	Ala	Leu	Cys	His	Asp	Thr	Ser
				20					25					30
Leu	Gly	Leu	Thr	Trp	Leu	Arg	Thr	Cys	Ser	Val	Arg	Gly	Phe	Val
				35					40					45
Arg	Thr	Leu	Pro	Phe	Cys	Leu	Lys	Leu	Lys	Ala	Lys	Glu	Asn	Asp
				50					55					60
Arg	Arg	Leu	Arg	Thr	Glu	Leu	Thr	Leu	Ala	Pro	Gly	Trp	Glu	Ala
				65					70					75
Ala	Ala	Leu	Leu	Asp	Ala	Thr	Tyr	Cys	Lys	Trp	Pro	Glu	Tyr	Gln
				80					85					90
Arg	Gly	Gly	Phe	His	Gly	Gln	Met	His	Ser	Arg	Cys	Leu	Pro	Leu
				95					100					105
His	Leu	Asp	His	Leu	Val	Val	Phe	Lys	Phe	Leu	Val	Pro	Glu	Ala
				110					115					120
Lys	Ser	Thr	Thr	Cys	Leu	Leu	Val	Thr	Cys	Leu	Pro	Ala	Val	Val
				125					130					135
Val	Asp	Val	Leu	Ala	Gly	Arg	Phe	Gly	Ile	Ser	His	Gln	Ser	Phe
				140					145					150
Cys	Thr	Val	Leu	Val	Ser	Ser	Ile							
				155										

<210> 16

<211> 334

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 611135

<400> 16

Met	Ala	Thr	Arg	Gln	Arg	Glu	Ser	Ser	Ile	Thr	Ser	Cys	Cys	Ser
1				5					10					15
Thr	Ser	Ser	Cys	Asp	Ala	Asp	Asp	Glu	Gly	Val	Arg	Gly	Thr	Cys
				20					25					30
Glu	Asp	Ala	Ser	Leu	Cys	Lys	Arg	Phe	Ala	Val	Ser	Ile	Gly	Tyr
				35					40					45
Trp	His	Asp	Pro	Tyr	Ile	Gln	His	Phe	Val	Arg	Leu	Ser	Lys	Glu
				50					55					60
Arg	Lys	Ala	Pro	Glu	Ile	Asn	Arg	Gly	Tyr	Phe	Ala	Arg	Val	His
				65					70					75
Gly	Val	Ser	Gln	Leu	Ile	Lys	Ala	Phe	Leu	Arg	Lys	Thr	Glu	Cys
				80					85					90
His	Cys	Gln	Ile	Val	Asn	Leu	Gly	Ala	Gly	Met	Asp	Thr	Thr	Phe
				95					100					105
Trp	Arg	Leu	Lys	Asp	Glu	Asp	Leu	Leu	Pro	Ser	Lys	Tyr	Phe	Glu
				110					115					120

[illegible][illegible][illegible][illegible][illegible]

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	65		70		75
Asp Ser Ser Val	Lys Phe Cys Lys Asn	Glu Pro Gln Asp His	Gln		
	80		85		90
Glu Ser Arg Arg	Leu Phe Val Met Glu	Glu Ser Thr Glu Arg	Lys		
	95		100		105
Val Ile Lys Gly	Glu Ser Cys Ser Glu	Asn Leu Gln Val Lys	Leu		
	110		115		120
Val Ser Asp Gly	Gln Glu Leu Ala Ser	Pro Leu Leu Asn Gly	Glu		
	125		130		135
Ala Thr Cys Gln	Asn Gly Gln Leu Lys	Glu Ser Leu Asp Pro	Ile		
	140		145		150
Asp Cys Asn Cys	Lys Asp Ile His Gly	Trp Lys Ser Gln Val	Val		
	155		160		165
Ser Cys Ser Gln	Gln Arg Gly His Thr	Glu Glu Lys Pro Cys	Asp		
	170		175		180
His Asn Asn Cys	Gly Lys Ile Leu Asn	Thr Ser Pro Asp Gly	His		
	185		190		195
Pro Tyr Glu Lys	Ile His Thr Ala Glu	Lys Gln Tyr Glu Gly	Ser		
	200		205		210
Gln Cys Gly Lys	Asn Phe Ser Gln Ser	Ser Glu Leu Leu Leu	His		
	215		220		225
Gln Arg Asp His	Thr Glu Glu Lys Pro	Tyr Lys Cys Glu Gln	Cys		
	230		235		240
Gly Lys Gly Phe	Thr Arg Ser Ser Ser	Leu Leu Ile His Gln	Ala		
	245		250		255
Val His Thr Asp	Glu Lys Pro Tyr Lys	Cys Asp Lys Cys Gly	Lys		
	260		265		270
Gly Phe Thr Arg	Ser Ser Ser Leu Leu	Ile His His Ala Val	His		
	275		280		285
Thr Gly Glu Lys	Pro Tyr Lys Cys Asp	Lys Cys Gly Lys Gly	Phe		
	290		295		300
Ser Gln Ser Ser	Lys Leu His Ile His	Gln Arg Val His Thr	Gly		
	305		310		315
Glu Lys Pro Tyr	Glu Cys Glu Glu Cys	Gly Met Ser Phe Ser	Gln		
	320		325		330
Arg Ser Asn Leu	His Ile His Gln Arg	Val His Thr Gly Glu	Arg		
	335		340		345
Pro Tyr Lys Cys	Gly Glu Cys Gly Lys	Gly Phe Ser Gln Ser	Ser		
	350		355		360
Asn Leu His Ile	His Arg Cys Ile His	Thr Gly Glu Lys Pro	Tyr		
	365		370		375
Gln Cys Tyr Glu	Cys Gly Lys Gly Phe	Ser Gln Ser Ser Asp	Leu		
	380		385		390
Arg Ile His Leu	Arg Val His Thr Gly	Glu Lys Pro Tyr His	Cys		
	395		400		405
Gly Lys Cys Gly	Lys Gly Phe Ser Gln	Ser Ser Lys Leu Leu	Ile		
	410		415		420
His Gln Arg Val	His Thr Gly Glu Lys	Pro Tyr Glu Cys Ser	Lys		
	425		430		435
Cys Gly Lys Gly	Phe Ser Gln Ser Ser	Asn Leu His Ile His	Gln		

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	440		445		450
Arg Val His Lys	Arg Asp Pro Arg Ala	His Pro Gly Leu His Ser			
	455		460		465
Ala His Thr Val	Asn Thr Val Lys Tyr	Leu Val Ser Leu Leu Leu			
	470		475		480
Tyr Ile Leu Gln	Arg Arg Glu Met				
	485				

<210> 18
 <211> 255
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 691768

<220>
 <221> unsure
 <222> 216, 218, 230, 233, 246, 250
 <223> unknown or other

<400> 18

Met Gly Arg Asn Lys Lys Lys Lys Arg Asp Gly Asp Asp Arg Arg	
1 5 10 15	
Pro Arg Leu Val Leu Ser Phe Asp Glu Glu Lys Arg Arg Glu Tyr	
20 25 30	
Leu Thr Gly Phe His Lys Arg Lys Val Glu Arg Lys Lys Ala Ala	
35 40 45	
Ile Glu Glu Ile Lys Gln Arg Leu Lys Glu Glu Gln Arg Lys Leu	
50 55 60	
Arg Glu Glu Arg His Gln Glu Tyr Leu Lys Met Leu Ala Glu Arg	
65 70 75	
Glu Glu Ala Leu Glu Glu Ala Asp Glu Leu Asp Arg Leu Val Thr	
80 85 90	
Ala Lys Thr Glu Ser Val Gln Tyr Asp His Pro Asn His Thr Val	
95 100 105	
Thr Val Thr Thr Ile Ser Asp Leu Asp Leu Ser Gly Ala Arg Leu	
110 115 120	
Leu Gly Leu Thr Pro Pro Glu Gly Gly Ala Gly Asp Arg Ser Glu	
125 130 135	
Glu Glu Ala Ser Ser Thr Glu Lys Pro Thr Lys Ala Leu Pro Arg	
140 145 150	
Lys Ser Arg Asp Pro Leu Leu Ser Gln Arg Ile Ser Ser Leu Thr	
155 160 165	
Ala Ser Leu His Ala His Ser Arg Lys Lys Val Lys Arg Lys His	
170 175 180	
Ser Arg Arg Ala Gln Asp Ser Lys Lys Pro Pro Lys Gly Pro Ser	
185 190 195	
Tyr Gln Gln Arg Pro Ser Gly Ala Val Phe Thr Gly Lys Ala Pro	

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	200		205		210
Ala Gln Arg Gly	Asn Xaa Arg Xaa Glu	Asn Glu Ala Gly Cys	Pro		
	215		220		225
His Ser Lys Ala	Xaa Arg Gly Xaa Cys	Ser Leu Gly Ser Ala	Leu		
	230		235		240
Ala Val Pro Leu	Leu Xaa Pro Ala Leu	Xaa Leu Lys Val Leu	Pro		
	245		250		255

<210> 19
 <211> 351
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 724157

<400> 19

Met Ala Asp Gln Asp	Pro Ala Gly Ile	Ser Pro Leu Gln Gln	Met
1	5	10	15
Val Ala Ser Gly Thr	Gly Ala Val Val	Thr Ser Leu Phe Met	Thr
	20	25	30
Pro Leu Asp Val Val	Lys Val Arg Leu	Gln Ser Gln Arg Pro	Ser
	35	40	45
Met Ala Ser Glu Leu	Met Pro Ser Ser	Arg Leu Trp Ser Leu	Ser
	50	55	60
Tyr Thr Lys Trp Lys	Cys Leu Leu Tyr	Cys Asn Gly Val Leu	Glu
	65	70	75
Pro Leu Tyr Leu Cys	Pro Asn Gly Ala	Arg Cys Ala Thr Trp	Phe
	80	85	90
Gln Asp Pro Thr Arg	Phe Thr Gly Thr	Met Asp Ala Phe Val	Lys
	95	100	105
Ile Val Arg His Glu	Gly Thr Arg Thr	Leu Trp Ser Gly Leu	Pro
	110	115	120
Ala Thr Leu Val Met	Thr Val Pro Ala	Thr Ala Ile Tyr Phe	Thr
	125	130	135
Ala Tyr Asp Gln Leu	Lys Ala Phe Leu	Cys Gly Arg Ala Leu	Thr
	140	145	150
Ser Asp Leu Tyr Ala	Pro Met Val Ala	Gly Ala Leu Ala Arg	Leu
	155	160	165
Gly Thr Val Thr Val	Ile Ser Pro Leu	Glu Leu Met Arg Thr	Lys
	170	175	180
Leu Gln Ala Gln His	Val Ser Tyr Arg	Glu Leu Gly Ala Cys	Val
	185	190	195
Arg Thr Ala Val Ala	Gln Gly Gly Trp	Arg Ser Leu Trp Leu	Gly
	200	205	210
Trp Gly Pro Thr Ala	Leu Arg Asp Val	Pro Phe Ser Ala Leu	Tyr
	215	220	225
Trp Phe Asn Tyr Glu	Leu Val Lys Ser	Trp Leu Asn Gly Leu	Arg

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Lys	Lys	Asn	His	Lys	Thr	Met	Asn	Glu	Lys	Ala	Trp	Lys	Arg	Trp
				170					175					180
Cys	Thr	Gln	Ile	Leu	Ser	Ala	Leu	Ser	Tyr	Leu	His	Ser	Cys	Asp
				185					190					195
Pro	Pro	Ile	Ile	His	Gly	Asn	Leu	Thr	Cys	Asp	Thr	Ile	Phe	Ile
				200					205					210
Gln	His	Asn	Gly	Leu	Ile	Lys	Ile	Gly	Ser	Val	Ala	Pro	Asp	Thr
				215					220					225
Ile	Asn	Asn	His	Val	Lys	Thr	Cys	Arg	Glu	Glu	Gln	Lys	Asn	Leu
				230					235					240
His	Phe	Phe	Ala	Pro	Glu	Tyr	Gly	Glu	Val	Thr	Asn	Val	Thr	Thr
				245					250					255
Ala	Val	Asp	Ile	Tyr	Ser	Phe	Gly	Met	Cys	Ala	Leu	Glu	Met	Ala
				260					265					270
Val	Leu	Glu	Ile	Gln	Gly	Asn	Gly	Glu	Ser	Ser	Tyr	Val	Pro	Gln
				275					280					285
Glu	Ala	Ile	Ser	Ser	Ala	Ile	Gln	Leu	Leu	Glu	Asp	Pro	Leu	Gln
				290					295					300
Arg	Glu	Phe	Ile	Gln	Lys	Cys	Leu	Gln	Ser	Glu	Pro	Ala	Arg	Arg
				305					310					315
Pro	Thr	Ala	Arg	Glu	Leu	Leu	Phe	His	Pro	Ala	Leu	Phe	Glu	Val
				320					325					330
Pro	Ser	Leu	Lys	Leu	Leu	Ala	Ala	His	Cys	Ile	Val	Gly	His	Gln
				335					340					345
His	Met	Ile	Pro	Glu	Asn	Ala	Leu	Glu	Glu	Ile	Thr	Lys	Asn	Met
				350					355					360
Asp	Thr	Ser	Ala	Val	Leu	Ala	Glu	Ile	Pro	Ala	Gly	Pro	Gly	Arg
				365					370					375
Glu	Pro	Val	Gln	Thr	Leu	Tyr	Ser	Gln	Ser	Pro	Ala	Leu	Glu	Leu
				380					385					390
Asp	Lys	Phe	Leu	Glu	Asp	Val	Arg	Asn	Gly	Ile	Tyr	Pro	Leu	Thr
				395					400					405
Ala	Phe	Gly	Leu	Pro	Arg	Pro	Gln	Gln	Pro	Gln	Gln	Glu	Glu	Val
				410					415					420
Thr	Ser	Pro	Val	Val	Pro	Pro	Ser	Val	Lys	Thr	Pro	Thr	Pro	Glu
				425					430					435
Pro	Ala	Glu	Val	Glu	Thr	Arg	Lys	Val	Val	Leu	Met	Gln	Cys	Asn
				440					445					450
Ile	Glu	Ser	Val	Glu	Glu	Gly	Val	Lys	His	His	Leu	Thr	Leu	Leu
				455					460					465
Leu	Lys	Leu	Glu	Asp	Lys	Leu	Asn	Arg	His	Leu	Ser	Cys	Asp	Leu
				470					475					480
Met	Pro	Asn	Glu	Asn	Ile	Pro	Glu	Leu	Ala	Ala	Glu	Leu	Val	Gln
				485					490					495
Leu	Gly	Phe	Ile	Ser	Glu	Ala	Asp	Gln	Ser	Arg	Leu	Thr	Ser	Leu
				500					505					510
Leu	Glu	Glu	Thr	Leu	Asn	Lys	Phe	Asn	Phe	Ala	Arg	Asn	Ser	Thr
				515					520					525
Leu	Asn	Ser	Ala	Ala	Val	Thr	Val	Ser	Ser					
				530					535					

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<210> 21
<211> 201
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 933353

<400> 21
Met Ala Ala Thr Ala Leu Leu Glu Ala Gly Leu Ala Arg Val Leu
1 5 10 15
Phe Tyr Pro Thr Leu Leu Tyr Thr Leu Phe Arg Gly Lys Val Pro
20 25 30
Gly Arg Ala His Arg Asp Trp Tyr His Arg Ile Asp Pro Thr Val
35 40 45
Leu Leu Gly Ala Leu Pro Leu Arg Ser Leu Thr Arg Gln Leu Val
50 55 60
Gln Asp Glu Asn Val Arg Gly Val Ile Thr Met Asn Glu Glu Tyr
65 70 75
Glu Thr Arg Phe Leu Cys Asn Ser Ser Gln Glu Trp Lys Arg Leu
80 85 90
Gly Val Glu Gln Leu Arg Leu Ser Thr Val Asp Met Thr Gly Ile
95 100 105
Pro Thr Leu Asp Asn Leu Gln Lys Gly Val Gln Phe Ala Leu Lys
110 115 120
Tyr Gln Ser Leu Gly Gln Cys Val Tyr Val His Cys Lys Ala Gly
125 130 135
Arg Ser Arg Ser Ala Thr Met Val Ala Ala Tyr Leu Ile Gln Val
140 145 150
His Lys Trp Ser Pro Glu Glu Ala Val Arg Ala Ile Ala Lys Ile
155 160 165
Arg Ser Tyr Ile His Ile Arg Pro Gly Gln Leu Asp Val Leu Lys
170 175 180
Glu Phe His Lys Gln Ile Thr Ala Arg Ala Thr Lys Asp Gly Thr
185 190 195
Phe Val Ile Ser Lys Thr
200

<210> 22
<211> 239
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1404643

<400> 22
Met Ala Tyr Gln Ser Leu Arg Leu Glu Tyr Leu Gln Ile Pro Pro

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1	5	10	15
Val Ser Arg Ala Tyr	Thr Thr Ala Cys	Val Leu Thr Thr Ala Ala	
20	25	30	
Val Gln Leu Glu Leu	Ile Thr Pro Phe	Gln Leu Tyr Phe Asn Pro	
35	40	45	
Glu Leu Ile Phe Lys	His Phe Gln Ile	Trp Arg Leu Ile Thr Asn	
50	55	60	
Phe Leu Phe Phe Gly	Pro Val Gly Phe	Asn Phe Leu Phe Asn Met	
65	70	75	
Ile Phe Leu Tyr Arg	Tyr Cys Arg Met	Leu Glu Glu Gly Ser Phe	
80	85	90	
Arg Gly Arg Thr Ala	Asp Phe Val Phe	Met Phe Leu Phe Gly Gly	
95	100	105	
Phe Leu Met Thr Leu	Phe Gly Leu Phe	Val Ser Leu Val Phe Leu	
110	115	120	
Gly Gln Ala Phe Thr	Ile Met Leu Val	Tyr Val Trp Ser Arg Arg	
125	130	135	
Asn Pro Tyr Val Arg	Met Asn Phe Phe	Gly Leu Leu Asn Phe Gln	
140	145	150	
Ala Pro Phe Leu Pro	Trp Val Leu Met	Gly Phe Ser Leu Leu Leu	
155	160	165	
Gly Asn Ser Ile Ile	Val Asp Leu Leu	Gly Ile Ala Val Gly His	
170	175	180	
Ile Tyr Phe Phe Leu	Glu Asp Val Phe	Pro Asn Gln Pro Gly Gly	
185	190	195	
Ile Arg Ile Leu Lys	Thr Pro Ser Ile	Leu Lys Ala Ile Phe Asp	
200	205	210	
Thr Pro Asp Glu Asp	Pro Asn Tyr Asn	Pro Leu Pro Glu Glu Arg	
215	220	225	
Pro Gly Gly Phe Ala	Trp Gly Glu Gly	Gln Arg Leu Gly Gly	
230	235		

<210> 23

<211> 244

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1561587

<400> 23

Met Met Arg Thr Gln	Cys Leu Leu Gly	Leu Arg Thr Phe Val Ala
1	5	10
Phe Ala Ala Lys Leu	Trp Ser Phe Phe	Ile Tyr Leu Leu Arg Arg
20	25	30
Gln Ile Arg Thr Val	Ile Gln Tyr Gln	Thr Val Arg Tyr Asp Ile
35	40	45
Leu Pro Leu Ser Pro	Val Ser Arg Asn	Arg Leu Ala Gln Val Lys
50	55	60

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Arg	Lys	Ile	Leu	Val	Leu	Asp	Leu	Asp	Glu	Thr	Leu	Ile	His	Ser
				65					70					75
His	His	Asp	Gly	Val	Leu	Arg	Pro	Thr	Val	Arg	Pro	Gly	Thr	Pro
				80					85					90
Pro	Asp	Phe	Ile	Leu	Lys	Val	Val	Ile	Asp	Lys	His	Pro	Val	Arg
				95					100					105
Phe	Phe	Val	His	Lys	Arg	Pro	His	Val	Asp	Phe	Phe	Leu	Glu	Val
				110					115					120
Val	Ser	Gln	Trp	Tyr	Glu	Leu	Val	Val	Phe	Thr	Ala	Ser	Met	Glu
				125					130					135
Ile	Tyr	Gly	Ser	Ala	Val	Ala	Asp	Lys	Leu	Asp	Asn	Ser	Arg	Ser
				140					145					150
Ile	Leu	Lys	Arg	Arg	Tyr	Tyr	Arg	Gln	His	Cys	Thr	Leu	Glu	Leu
				155					160					165
Gly	Ser	Tyr	Ile	Lys	Asp	Leu	Ser	Val	Val	His	Ser	Asp	Leu	Ser
				170					175					180
Ser	Ile	Val	Ile	Leu	Asp	Asn	Ser	Pro	Gly	Ala	Tyr	Arg	Ser	His
				185					190					195
Pro	Asp	Asn	Ala	Ile	Pro	Ile	Lys	Ser	Trp	Phe	Ser	Asp	Pro	Ser
				200					205					210
Asp	Thr	Ala	Leu	Leu	Asn	Leu	Leu	Pro	Met	Leu	Asp	Ala	Leu	Arg
				215					220					225
Phe	Thr	Ala	Asp	Val	Arg	Ser	Val	Leu	Ser	Arg	Asn	Leu	His	Gln
				230					235					240
His	Arg	Leu	Trp											

<210> 24

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1568361

<220>

<221> unsure

<222> 218

<223> unknown or other

<400> 24

Met	Ser	Ser	Val	Glu	Glu	Asp	Asp	Tyr	Asp	Thr	Leu	Thr	Asp	Ile
1				5					10					15
Asp	Ser	Asp	Lys	Asn	Val	Ile	Arg	Thr	Lys	Gln	Tyr	Leu	Tyr	Val
				20					25					30
Ala	Asp	Leu	Ala	Arg	Lys	Asp	Lys	Arg	Val	Leu	Arg	Lys	Lys	Tyr
				35					40					45
Gln	Ile	Tyr	Phe	Trp	Asn	Ile	Ala	Thr	Ile	Ala	Val	Phe	Tyr	Ala
				50					55					60

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Leu	Pro	Val	Val	Gln	Leu	Val	Ile	Thr	Tyr	Gln	Thr	Val	Val	Asn	
				65					70					75	
Val	Thr	Gly	Asn	Gln	Asp	Ile	Cys	Tyr	Tyr	Asn	Phe	Leu	Cys	Ala	
				80					85					90	
His	Pro	Leu	Gly	Asn	Leu	Ser	Ala	Phe	Asn	Asn	Ile	Leu	Ser	Asn	
				95					100					105	
Leu	Gly	Tyr	Ile	Leu	Leu	Gly	Leu	Leu	Phe	Leu	Leu	Ile	Ile	Leu	
				110					115					120	
Gln	Arg	Glu	Ile	Asn	His	Asn	Arg	Ala	Leu	Leu	Arg	Asn	Asp	Leu	
				125					130					135	
Cys	Ala	Leu	Glu	Cys	Gly	Ile	Pro	Lys	His	Phe	Gly	Leu	Phe	Tyr	
				140					145					150	
Ala	Met	Gly	Thr	Ala	Leu	Met	Met	Glu	Gly	Leu	Leu	Ser	Ala	Cys	
				155					160					165	
Tyr	His	Val	Cys	Pro	Asn	Tyr	Thr	Asn	Phe	Gln	Phe	Asp	Thr	Ser	
				170					175					180	
Phe	Met	Tyr	Met	Ile	Ala	Gly	Leu	Cys	Met	Leu	Lys	Leu	Tyr	Gln	
				185					190					195	
Lys	Arg	His	Pro	Asp	Ile	Asn	Ala	Ser	Ala	Tyr	Ser	Ala	Tyr	Ala	
				200					205					210	
Cys	Leu	Ala	Ile	Val	Ile	Phe	Xaa	Ser	Val	Leu	Gly	Val	Val	Phe	
				215					220					225	
Gly	Lys	Gly	Asn	Thr	Ala	Phe	Trp	Ile	Val	Phe	Ser	Ile	Ile	His	
				230					235					240	
Ile	Ile	Ala	Thr	Leu	Leu	Leu	Ser	Thr	Gln	Leu	Tyr	Tyr	Met	Gly	
				245					250					255	
Arg	Trp	Lys	Leu	Asp	Ser	Gly	Ile	Phe	Arg	Arg	Ile	Leu	His	Val	
				260					265					270	
Leu	Tyr	Thr	Asp	Cys	Ile	Arg	Gln	Cys	Ser	Gly	Pro	Leu	Tyr	Val	
				275					280					285	
Asp	Arg	Met	Val	Leu	Leu	Val	Met	Gly	Asn	Val	Ile	Asn	Trp	Ser	
				290					295					300	
Leu	Ala	Ala	Tyr	Gly	Leu	Ile	Met	Arg	Pro	Asn	Asp	Phe	Ala	Ser	
				305					310					315	
Tyr	Leu	Leu	Ala	Ile	Gly	Ile	Cys	Asn	Leu	Leu	Leu	Tyr	Phe	Ala	
				320					325					330	
Phe	Tyr	Ile	Ile	Met	Lys	Leu	Arg	Ser	Gly	Glu	Arg	Ile	Lys	Leu	
				335					340					345	
Ile	Pro	Leu	Leu	Cys	Ile	Val	Cys	Thr	Ser	Val	Val	Trp	Gly	Phe	
				350					355					360	
Ala	Leu	Phe	Phe	Phe	Phe	Gln	Gly	Leu	Ser	Thr	Trp	Gln	Lys	Thr	
				365					370					375	
Pro	Ala	Glu	Ser	Arg	Glu	His	Asn	Arg	Asp	Cys	Ile	Leu	Leu	Asp	
				380					385					390	
Phe	Phe	Asp	Asp	His	Asp	Ile	Trp	His	Phe	Leu	Ser	Ser	Ile	Ala	
				395					400					405	
Met	Phe	Gly	Ser	Phe	Leu	Val	Leu	Leu	Thr	Leu	Asp	Asp	Asp	Leu	
				410					415					420	
Asp	Thr	Val	Gln	Arg	Asp	Lys	Ile	Tyr	Val	Phe					
				425					430						

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<210> 25

<211> 376

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1572888

<400> 25

Met	Gly	His	Arg	Phe	Leu	Arg	Gly	Leu	Leu	Thr	Leu	Leu	Leu	Pro
1				5					10					15
Pro	Pro	Pro	Leu	Tyr	Thr	Arg	His	Arg	Met	Leu	Gly	Pro	Glu	Ser
			20						25					30
Val	Pro	Pro	Pro	Lys	Arg	Ser	Arg	Ser	Lys	Leu	Met	Ala	Pro	Pro
			35						40					45
Arg	Ile	Gly	Thr	His	Asn	Gly	Thr	Phe	His	Cys	Asp	Glu	Ala	Leu
			50						55					60
Ala	Cys	Ala	Leu	Leu	Arg	Leu	Leu	Pro	Glu	Tyr	Arg	Asp	Ala	Glu
			65						70					75
Ile	Val	Arg	Thr	Arg	Asp	Pro	Glu	Lys	Leu	Ala	Ser	Cys	Asp	Ile
			80						85					90
Val	Val	Asp	Val	Gly	Gly	Glu	Tyr	Asp	Pro	Arg	Arg	His	Arg	Tyr
			95						100					105
Asp	His	His	Gln	Arg	Ser	Phe	Thr	Glu	Thr	Met	Ser	Ser	Leu	Ser
			110						115					120
Pro	Gly	Lys	Pro	Trp	Gln	Thr	Lys	Leu	Ser	Ser	Ala	Gly	Leu	Ile
			125						130					135
Tyr	Leu	His	Phe	Gly	His	Lys	Leu	Leu	Ala	Gln	Leu	Leu	Gly	Thr
			140						145					150
Ser	Glu	Glu	Asp	Ser	Met	Val	Gly	Thr	Leu	Tyr	Asp	Lys	Met	Tyr
			155						160					165
Glu	Asn	Phe	Val	Glu	Glu	Val	Asp	Ala	Val	Asp	Asn	Gly	Ile	Ser
			170						175					180
Gln	Trp	Ala	Glu	Gly	Glu	Pro	Arg	Tyr	Ala	Leu	Thr	Thr	Thr	Leu
			185						190					195
Ser	Ala	Arg	Val	Ala	Arg	Leu	Asn	Pro	Thr	Trp	Asn	His	Pro	Asp
			200						205					210
Gln	Asp	Thr	Glu	Ala	Gly	Phe	Lys	Arg	Ala	Met	Asp	Leu	Val	Gln
			215						220					225
Glu	Glu	Phe	Leu	Gln	Arg	Leu	Asp	Phe	Tyr	Gln	His	Ser	Trp	Leu
			230						235					240
Pro	Ala	Arg	Ala	Leu	Val	Glu	Glu	Ala	Leu	Ala	Gln	Arg	Phe	Gln
			245						250					255
Val	Asp	Pro	Ser	Gly	Glu	Ile	Val	Glu	Leu	Ala	Lys	Gly	Ala	Cys
			260						265					270
Pro	Trp	Lys	Glu	His	Leu	Tyr	His	Leu	Glu	Ser	Gly	Leu	Ser	Pro
			275						280					285
Pro	Val	Ala	Ile	Phe	Phe	Val	Ile	Tyr	Thr	Asp	Gln	Ala	Gly	Gln
			290						295					300

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Trp	Arg	Ile	Gln	Cys	Val	Pro	Lys	Glu	Pro	His	Ser	Phe	Gln	Ser
				305					310					315
Arg	Leu	Pro	Leu	Pro	Glu	Pro	Trp	Arg	Gly	Leu	Arg	Asp	Glu	Ala
				320					325					330
Leu	Asp	Gln	Val	Ser	Gly	Ile	Pro	Gly	Cys	Ile	Phe	Val	His	Ala
				335					340					345
Ser	Gly	Phe	Ile	Gly	Gly	His	Arg	Thr	Arg	Glu	Gly	Ala	Leu	Ser
				350					355					360
Met	Ala	Arg	Ala	Thr	Leu	Ala	Gln	Arg	Ser	Tyr	Leu	Pro	Gln	Ile
				365					370					375

Ser

<210> 26
 <211> 340
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1573677

<400> 26

Met	Arg	Leu	Arg	Gly	Leu	Leu	Gln	Gly	Thr	Leu	Arg	Phe	His	Thr
1				5					10					15
Ser	Pro	Pro	Thr	Asp	Ser	Ser	Val	Thr	Glu	Thr	Ile	Ile	Leu	Cys
				20					25					30
Thr	Met	Leu	Phe	Leu	Gly	Ser	Leu	Gly	Ala	Trp	Gly	Thr	Thr	Ser
				35					40					45
Ile	Ser	Thr	Gly	Ser	Ile	Phe	Ser	Leu	Lys	Thr	Leu	Arg	Ser	Gln
				50					55					60
His	Gly	Gly	Gln	Val	Gly	Leu	Lys	Val	Ser	Arg	Pro	Arg	Ala	Gln
				65					70					75
Pro	Leu	Pro	Ala	Gln	Pro	Pro	Ala	Leu	Ala	Gln	Pro	Gln	Tyr	Gln
				80					85					90
Ser	Pro	Gln	Gln	Pro	Pro	Gln	Thr	Arg	Trp	Val	Ala	Pro	Arg	Asn
				95					100					105
Arg	Asn	Ala	Ala	Phe	Gly	Gln	Ser	Gly	Gly	Ala	Gly	Ser	Asp	Ser
				110					115					120
Asn	Ser	Pro	Gly	Asn	Val	Gln	Pro	Asn	Ser	Ala	Pro	Ser	Val	Glu
				125					130					135
Ser	His	Pro	Val	Leu	Glu	Lys	Leu	Lys	Ala	Ala	His	Ser	Tyr	Asn
				140					145					150
Pro	Lys	Glu	Phe	Glu	Trp	Asn	Leu	Lys	Ser	Gly	Arg	Val	Phe	Ile
				155					160					165
Ile	Lys	Ser	Tyr	Ser	Glu	Asp	Asp	Ile	His	Arg	Ser	Ile	Lys	Tyr
				170					175					180
Ser	Ile	Trp	Cys	Ser	Thr	Glu	His	Gly	Asn	Lys	Arg	Leu	Asp	Ser
				185					190					195
Ala	Phe	Arg	Cys	Met	Ser	Ser	Lys	Gly	Pro	Val	Tyr	Leu	Leu	Phe

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	200		205		210
Ser Val Asn Gly	Ser Gly His Phe Cys Gly Val Ala Glu Met Lys				
	215		220		225
Ser Pro Val Asp	Tyr Gly Thr Ser Ala Gly Val Trp Ser Gln Asp				
	230		235		240
Lys Trp Lys Gly	Lys Phe Asp Val Gln Trp Ile Phe Val Lys Asp				
	245		250		255
Val Pro Asn Asn	Gln Leu Arg His Ile Arg Leu Glu Asn Asn Asp				
	260		265		270
Asn Lys Pro Val	Thr Asn Ser Arg Asp Thr Gln Glu Val Pro Leu				
	275		280		285
Glu Lys Ala Lys	Gln Val Leu Lys Ile Ile Ser Ser Tyr Lys His				
	290		295		300
Thr Thr Ser Ile	Phe Asp Asp Phe Ala His Tyr Glu Lys Arg Gln				
	305		310		315
Arg Arg Arg Arg	Trp Cys Ala Arg Asn Gly Arg Val Glu Thr Asn				
	320		325		330
Asn Glu Gly Glu	Pro Val Ser Tyr Met Phe				
	335		340		

<210> 27

<211> 174

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1574624

<400> 27

Met Ala Asp Val	Leu Asp Leu His Glu Ala Gly Gly Glu Asp Phe				
1	5		10		15
Ala Met Asp Glu	Asp Gly Asp Glu Ser Ile His Lys Leu Lys Glu				
	20		25		30
Lys Ala Lys Lys	Arg Lys Gly Arg Gly Phe Gly Ser Glu Glu Gly				
	35		40		45
Ser Arg Ala Arg	Met Arg Glu Asp Tyr Asp Ser Val Glu Gln Asp				
	50		55		60
Gly Asp Glu Pro	Gly Pro Gln Arg Ser Val Glu Gly Trp Ile Leu				
	65		70		75
Phe Val Thr Gly	Val His Glu Glu Ala Thr Glu Glu Asp Ile His				
	80		85		90
Asp Lys Phe Ala	Glu Tyr Gly Glu Ile Lys Asn Ile His Leu Asn				
	95		100		105
Leu Asp Arg Arg	Thr Gly Tyr Leu Lys Gly Tyr Thr Leu Val Glu				
	110		115		120
Tyr Glu Thr Tyr	Lys Glu Ala Gln Ala Ala Met Glu Gly Leu Asn				
	125		130		135
Gly Gln Asp Leu	Met Gly Gln Pro Ile Ser Val Asp Trp Cys Phe				
	140		145		150

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Val Arg Gly Pro Pro Lys Gly Lys Arg Arg Gly Gly Arg Arg Arg
155 160 165
Ser Arg Ser Pro Asp Arg Arg Arg Arg
170

<210> 28
<211> 179
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1577239

<400> 28
Met Val Gln Ala Trp Tyr Met Asp Asp Ala Pro Gly Asp Pro Arg
1 5 10 15
Gln Pro His Arg Pro Asp Pro Gly Arg Pro Val Gly Leu Glu Gln
20 25 30
Leu Arg Arg Leu Gly Val Leu Tyr Trp Lys Leu Asp Ala Asp Lys
35 40 45
Tyr Glu Asn Asp Pro Glu Leu Glu Lys Ile Arg Arg Glu Arg Asn
50 55 60
Tyr Ser Trp Met Asp Ile Ile Thr Ile Cys Lys Asp Lys Leu Pro
65 70 75
Asn Tyr Glu Glu Lys Ile Lys Met Phe Tyr Glu Glu His Leu His
80 85 90
Leu Asp Asp Glu Ile Arg Tyr Ile Leu Asp Gly Ser Gly Tyr Phe
95 100 105
Asp Val Arg Asp Lys Glu Asp Gln Trp Ile Arg Ile Phe Met Glu
110 115 120
Lys Gly Asp Met Val Thr Leu Pro Ala Gly Ile Tyr His Arg Phe
125 130 135
Thr Val Asp Glu Lys Asn Tyr Thr Lys Ala Met Arg Leu Phe Val
140 145 150
Gly Glu Pro Val Trp Thr Ala Tyr Asn Arg Pro Ala Asp His Phe
155 160 165
Glu Ala Arg Gly Gln Tyr Val Lys Phe Leu Ala Gln Thr Ala
170 175

<210> 29
<211> 205
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1598203

<400> 29

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Met	Ala	Ala	Ala	Arg	Pro	Ser	Leu	Gly	Arg	Val	Leu	Pro	Gly	Ser
1				5					10					15
Ser	Val	Leu	Phe	Leu	Cys	Asp	Met	Gln	Glu	Lys	Phe	Arg	His	Asn
				20					25					30
Ile	Ala	Tyr	Phe	Pro	Gln	Ile	Val	Ser	Val	Ala	Ala	Arg	Met	Leu
				35					40					45
Lys	Val	Ala	Arg	Leu	Leu	Glu	Val	Pro	Val	Met	Leu	Thr	Glu	Gln
				50					55					60
Tyr	Pro	Gln	Gly	Leu	Gly	Pro	Thr	Val	Pro	Glu	Leu	Gly	Thr	Glu
				65					70					75
Gly	Leu	Arg	Pro	Leu	Ala	Lys	Thr	Cys	Phe	Ser	Met	Val	Pro	Ala
				80					85					90
Leu	Gln	Gln	Glu	Leu	Asp	Ser	Arg	Pro	Gln	Leu	Arg	Ser	Val	Leu
				95					100					105
Leu	Cys	Gly	Ile	Glu	Ala	Gln	Ala	Cys	Ile	Leu	Asn	Thr	Thr	Leu
				110					115					120
Asp	Leu	Leu	Asp	Arg	Gly	Leu	Gln	Val	His	Val	Val	Val	Asp	Ala
				125					130					135
Cys	Ser	Ser	Arg	Ser	Gln	Val	Asp	Arg	Leu	Val	Ala	Leu	Ala	Arg
				140					145					150
Met	Arg	Gln	Ser	Gly	Ala	Phe	Leu	Ser	Thr	Ser	Glu	Gly	Leu	Ile
				155					160					165
Leu	Gln	Leu	Val	Gly	Asp	Ala	Val	His	Pro	Gln	Phe	Lys	Glu	Ile
				170					175					180
Gln	Lys	Leu	Ile	Lys	Glu	Pro	Ala	Pro	Asp	Ser	Gly	Leu	Leu	Gly
				185					190					195
Leu	Phe	Gln	Gly	Gln	Asn	Ser	Leu	Leu	His					
				200					205					

<210> 30

<211> 419

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1600438

<400> 30

Met	Asn	Lys	His	Gln	Lys	Pro	Val	Leu	Thr	Gly	Gln	Arg	Phe	Lys
1				5					10					15
Thr	Arg	Lys	Arg	Asp	Glu	Lys	Glu	Lys	Phe	Glu	Pro	Thr	Val	Phe
				20					25					30
Arg	Asp	Thr	Leu	Val	Gln	Gly	Leu	Asn	Glu	Ala	Gly	Asp	Asp	Leu
				35					40					45
Glu	Ala	Val	Ala	Lys	Phe	Leu	Asp	Ser	Thr	Gly	Ser	Arg	Leu	Asp
				50					55					60
Tyr	Arg	Arg	Tyr	Ala	Asp	Thr	Leu	Phe	Asp	Ile	Leu	Val	Ala	Gly
				65					70					75
Ser	Met	Leu	Ala	Pro	Gly	Gly	Thr	Arg	Ile	Asp	Asp	Gly	Asp	Lys

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	80		85		90
Thr Lys Met Thr	Asn His Cys Val Phe	Ser Ala Asn Glu Asp	His		
	95	100		105	
Glu Thr Ile Arg	Asn Tyr Ala Gln Val	Phe Asn Lys Leu Ile	Arg		
	110	115		120	
Arg Tyr Lys Tyr	Leu Glu Lys Ala Phe	Glu Asp Glu Met Lys	Lys		
	125	130		135	
Leu Leu Leu Phe	Leu Lys Ala Phe Ser	Glu Thr Glu Gln Thr	Lys		
	140	145		150	
Leu Ala Met Leu	Ser Gly Ile Leu Leu	Gly Asn Gly Thr Leu	Pro		
	155	160		165	
Ala Thr Ile Leu	Thr Ser Leu Phe Thr	Asp Ser Leu Val Lys	Glu		
	170	175		180	
Gly Ile Ala Ala	Ser Phe Ala Val Lys	Leu Phe Lys Ala Trp	Met		
	185	190		195	
Ala Glu Lys Asp	Ala Asn Ser Val Thr	Ser Ser Leu Arg Lys	Ala		
	200	205		210	
Asn Leu Asp Lys	Arg Leu Leu Glu Leu	Phe Pro Val Asn Arg	Gln		
	215	220		225	
Ser Val Asp His	Phe Ala Lys Tyr Phe	Thr Asp Ala Gly Leu	Lys		
	230	235		240	
Glu Leu Ser Asp	Phe Leu Arg Val Gln	Gln Ser Leu Gly Thr	Arg		
	245	250		255	
Lys Glu Leu Gln	Lys Glu Leu Gln Glu	Arg Leu Ser Gln Glu	Cys		
	260	265		270	
Pro Ile Lys Glu	Val Val Leu Tyr Val	Lys Glu Glu Met Lys	Arg		
	275	280		285	
Asn Asp Leu Pro	Glu Thr Ala Val Ile	Gly Leu Leu Trp Thr	Cys		
	290	295		300	
Ile Met Asn Ala	Val Glu Trp Asn Lys	Lys Glu Glu Leu Val	Ala		
	305	310		315	
Glu Gln Ala Leu	Lys His Leu Lys Gln	Tyr Ala Pro Leu Leu	Ala		
	320	325		330	
Val Phe Ser Ser	Gln Gly Gln Ser Glu	Leu Ile Leu Leu Gln	Lys		
	335	340		345	
Val Gln Glu Tyr	Cys Tyr Asp Asn Ile	His Phe Met Lys Ala	Phe		
	350	355		360	
Gln Lys Ile Val	Val Leu Phe Tyr Lys	Ala Asp Val Leu Ser	Glu		
	365	370		375	
Glu Ala Ile Leu	Lys Trp Tyr Lys Glu	Ala His Val Ala Lys	Gly		
	380	385		390	
Lys Ser Val Phe	Leu Asp Gln Met Lys	Lys Phe Val Glu Trp	Leu		
	395	400		405	
Gln Asn Ala Glu	Glu Glu Ser Glu Ser	Glu Gly Glu Glu Asn			
	410	415			

<210> 31

<211> 376

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 1600518

<400> 31

Met	Lys	Asp	Val	Pro	Gly	Phe	Leu	Gln	Gln	Ser	Gln	Ser	Ser	Gly
1				5					10					15
Pro	Gly	Gln	Pro	Ala	Val	Trp	His	Arg	Leu	Glu	Glu	Leu	Tyr	Thr
				20					25					30
Lys	Lys	Leu	Trp	His	Gln	Leu	Thr	Leu	Gln	Val	Leu	Asp	Phe	Val
				35					40					45
Gln	Asp	Pro	Cys	Phe	Ala	Gln	Gly	Asp	Gly	Leu	Ile	Lys	Leu	Tyr
				50					55					60
Glu	Asn	Phe	Ile	Ser	Glu	Phe	Glu	His	Arg	Val	Asn	Pro	Leu	Ser
				65					70					75
Leu	Val	Glu	Ile	Ile	Leu	His	Val	Val	Arg	Gln	Met	Thr	Asp	Pro
				80					85					90
Asn	Val	Ala	Leu	Thr	Phe	Leu	Glu	Lys	Thr	Arg	Glu	Lys	Val	Lys
				95					100					105
Ser	Ser	Asp	Glu	Ala	Val	Ile	Leu	Cys	Lys	Thr	Ala	Ile	Gly	Ala
				110					115					120
Leu	Lys	Leu	Asn	Ile	Gly	Asp	Leu	Gln	Val	Thr	Lys	Glu	Thr	Ile
				125					130					135
Glu	Asp	Val	Glu	Glu	Met	Leu	Asn	Asn	Leu	Pro	Gly	Val	Thr	Ser
				140					145					150
Val	His	Ser	Arg	Phe	Tyr	Asp	Leu	Ser	Ser	Lys	Tyr	Tyr	Gln	Thr
				155					160					165
Ile	Gly	Asn	His	Ala	Ser	Tyr	Tyr	Lys	Asp	Ala	Leu	Arg	Phe	Leu
				170					175					180
Gly	Cys	Val	Asp	Ile	Lys	Asp	Leu	Pro	Val	Ser	Glu	Gln	Gln	Glu
				185					190					195
Arg	Ala	Phe	Thr	Leu	Gly	Leu	Ala	Gly	Leu	Leu	Gly	Glu	Gly	Val
				200					205					210
Phe	Asn	Phe	Gly	Glu	Leu	Leu	Met	His	Pro	Val	Leu	Glu	Ser	Leu
				215					220					225
Arg	Asn	Thr	Asp	Arg	Gln	Trp	Leu	Ile	Asp	Thr	Leu	Tyr	Ala	Phe
				230					235					240
Asn	Ser	Gly	Asn	Val	Glu	Arg	Phe	Gln	Thr	Leu	Lys	Thr	Ala	Trp
				245					250					255
Gly	Gln	Gln	Pro	Asp	Leu	Ala	Ala	Asn	Glu	Ala	Gln	Leu	Leu	Arg
				260					265					270
Lys	Ile	Gln	Leu	Leu	Cys	Leu	Met	Glu	Met	Thr	Phe	Thr	Arg	Pro
				275					280					285
Ala	Asn	His	Arg	Gln	Leu	Thr	Phe	Glu	Glu	Ile	Ala	Lys	Ser	Ala
				290					295					300
Lys	Ile	Thr	Val	Asn	Glu	Val	Glu	Leu	Leu	Val	Met	Lys	Ala	Leu
				305					310					315
Ser	Val	Gly	Leu	Val	Lys	Gly	Ser	Ile	Asp	Glu	Val	Asp	Lys	Arg
				320					325					330
Val	His	Met	Thr	Trp	Val	Gln	Pro	Arg	Val	Leu	Asp	Leu	Gln	Gln

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	335		340		345
Ile Lys Gly Met	Lys Asp Arg Leu Glu	Phe Trp Cys Thr Asp	Val		
	350		355		360
Lys Ser Met Glu	Met Leu Val Glu His	Gln Ala His Asp Ile	Leu		
	365		370		375
Thr					

<210> 32
 <211> 237
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1602473

<400> 32

Met	Leu	Gly	Gly	Ser	Leu	Gly	Ser	Arg	Leu	Leu	Arg	Gly	Val	Gly
1				5					10					15
Gly	Ser	His	Gly	Arg	Phe	Gly	Ala	Arg	Gly	Val	Arg	Glu	Gly	Gly
				20					25					30
Ala	Ala	Met	Ala	Ala	Gly	Glu	Ser	Met	Ala	Gln	Arg	Met	Val	Trp
				35					40					45
Val	Asp	Leu	Glu	Met	Thr	Gly	Leu	Asp	Ile	Glu	Lys	Asp	Gln	Ile
				50					55					60
Ile	Glu	Met	Ala	Cys	Leu	Ile	Thr	Asp	Ser	Asp	Leu	Asn	Ile	Leu
				65					70					75
Ala	Glu	Gly	Pro	Asn	Leu	Ile	Ile	Lys	Gln	Pro	Asp	Glu	Leu	Leu
				80					85					90
Asp	Ser	Met	Ser	Asp	Trp	Cys	Lys	Glu	His	His	Gly	Lys	Ser	Gly
				95					100					105
Leu	Thr	Lys	Ala	Val	Lys	Glu	Ser	Thr	Ile	Thr	Leu	Gln	Gln	Ala
				110					115					120
Glu	Tyr	Glu	Phe	Leu	Ser	Phe	Val	Arg	Gln	Gln	Thr	Pro	Pro	Gly
				125					130					135
Leu	Cys	Pro	Leu	Ala	Gly	Asn	Ser	Val	His	Glu	Asp	Lys	Lys	Phe
				140					145					150
Leu	Asp	Lys	Tyr	Met	Pro	Gln	Phe	Met	Lys	His	Leu	His	Tyr	Arg
				155					160					165
Ile	Ile	Asp	Val	Ser	Thr	Val	Lys	Glu	Leu	Cys	Arg	Arg	Trp	Tyr
				170					175					180
Pro	Glu	Glu	Tyr	Glu	Phe	Ala	Pro	Lys	Lys	Ala	Ala	Ser	His	Arg
				185					190					195
Ala	Leu	Asp	Asp	Ile	Ser	Glu	Ser	Ile	Lys	Glu	Leu	Gln	Phe	Tyr
				200					205					210
Arg	Asn	Asn	Ile	Phe	Lys	Lys	Lys	Ile	Asp	Glu	Lys	Lys	Arg	Lys
				215					220					225
Ile	Ile	Glu	Asn	Gly	Glu	Asn	Glu	Lys	Thr	Val	Ser			
				230					235					

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<210> 33
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1605720

<400> 33
Met Glu Ala Val Leu Asn Glu Leu Val Ser Val Glu Asp Leu Leu
1 5 10 15
Lys Phe Glu Lys Lys Phe Gln Ser Glu Lys Ala Ala Gly Ser Val
20 25 30
Ser Lys Ser Thr Gln Phe Glu Tyr Ala Trp Cys Leu Val Arg Ser
35 40 45
Lys Tyr Asn Asp Asp Ile Arg Lys Gly Ile Val Leu Leu Glu Glu
50 55 60
Leu Leu Pro Lys Gly Ser Lys Glu Glu Gln Arg Asp Tyr Val Phe
65 70 75
Tyr Leu Ala Val Gly Asn Tyr Arg Leu Lys Glu Tyr Glu Lys Ala
80 85 90
Leu Lys Tyr Val Arg Gly Leu Leu Gln Thr Glu Pro Gln Asn Asn
95 100 105
Gln Ala Lys Glu Leu Glu Arg Leu Ile Asp Lys Ala Met Lys Lys
110 115 120
Asp Gly Leu Val Gly Met Ala Ile Val Gly Gly Met Ala Leu Gly
125 130 135
Val Ala Gly Leu Ala Gly Leu Ile Gly Leu Ala Val Ser Lys Ser
140 145 150
Lys Phe

<210> 34
<211> 179
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1610501

<400> 34
Met Pro Ser Lys Ser Leu Val Met Glu Tyr Leu Ala His Pro Ser
1 5 10 15
Thr Leu Gly Leu Ala Val Gly Val Ala Cys Gly Met Cys Leu Gly
20 25 30
Trp Ser Leu Arg Val Cys Phe Gly Met Leu Pro Lys Ser Lys Thr
35 40 45
Ser Lys Thr His Thr Asp Thr Glu Ser Glu Ala Ser Ile Leu Gly

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				50					55				60	
Asp	Ser	Gly	Glu	Tyr	Lys	Met	Ile	Leu	Val	Val	Arg	Asn	Asp	Leu
				65					70					75
Lys	Met	Gly	Lys	Gly	Lys	Val	Ala	Ala	Gln	Cys	Ser	His	Ala	Ala
				80					85					90
Val	Ser	Ala	Tyr	Lys	Gln	Ile	Gln	Arg	Arg	Asn	Pro	Glu	Met	Leu
				95					100					105
Lys	Gln	Trp	Glu	Tyr	Cys	Gly	Gln	Pro	Lys	Val	Val	Val	Lys	Ala
				110					115					120
Pro	Asp	Glu	Glu	Thr	Leu	Ile	Ala	Leu	Leu	Ala	His	Ala	Lys	Met
				125					130					135
Leu	Gly	Leu	Thr	Val	Ser	Leu	Ile	Gln	Asp	Ala	Gly	Arg	Thr	Gln
				140					145					150
Ile	Ala	Pro	Gly	Ser	Gln	Thr	Val	Leu	Gly	Ile	Gly	Pro	Gly	Pro
				155					160					165
Ala	Asp	Leu	Ile	Asp	Lys	Val	Thr	Gly	His	Leu	Lys	Leu	Tyr	
				170					175					

<210> 35
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1720770

Met	Ser	Glu	Gly	Asp	Ser	Val	Gly	Glu	Ser	Val	His	Gly	Lys	Pro
1				5					10					15
Ser	Val	Val	Tyr	Arg	Phe	Phe	Thr	Arg	Leu	Gly	Gln	Ile	Tyr	Gln
				20					25					30
Ser	Trp	Leu	Asp	Lys	Ser	Thr	Pro	Tyr	Thr	Ala	Val	Arg	Trp	Val
				35					40					45
Val	Thr	Leu	Gly	Leu	Ser	Phe	Val	Tyr	Met	Ile	Arg	Val	Tyr	Leu
				50					55					60
Leu	Gln	Gly	Trp	Tyr	Ile	Val	Thr	Tyr	Ala	Leu	Gly	Ile	Tyr	His
				65					70					75
Leu	Asn	Leu	Phe	Ile	Ala	Phe	Leu	Ser	Pro	Lys	Val	Asp	Pro	Ser
				80					85					90
Leu	Met	Glu	Asp	Ser	Asp	Asp	Gly	Pro	Ser	Leu	Pro	Thr	Lys	Gln
				95					100					105
Asn	Glu	Glu	Phe	Arg	Pro	Phe	Ile	Arg	Arg	Leu	Pro	Glu	Phe	Lys
				110					115					120
Phe	Trp	His	Ala	Ala	Thr	Lys	Gly	Ile	Leu	Val	Ala	Met	Val	Cys
				125					130					135
Thr	Phe	Phe	Asp	Ala	Phe	Asn	Val	Pro	Val	Phe	Trp	Pro	Ile	Leu
				140					145					150
Val	Met	Tyr	Phe	Ile	Met	Leu	Phe	Cys	Ile	Thr	Met	Lys	Arg	Gln
				155					160					165

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Ile	Lys	His	Met	Ile	Lys	Tyr	Arg	Tyr	Ile	Pro	Phe	Thr	His	Gly
				170					175					180
Lys	Arg	Arg	Tyr	Arg	Gly	Lys	Glu	Asp	Ala	Gly	Lys	Ala	Phe	Ala
				185					190					195

Ser

<210> 36
 <211> 612
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1832295

<400> 36

Met	Ala	Ala	Ala	Gly	Arg	Leu	Pro	Ser	Ser	Trp	Ala	Leu	Phe	Ser
1				5					10					15
Pro	Leu	Leu	Ala	Gly	Leu	Ala	Leu	Leu	Gly	Val	Gly	Pro	Val	Pro
				20					25					30
Ala	Arg	Ala	Leu	His	Asn	Val	Thr	Ala	Glu	Leu	Phe	Gly	Ala	Glu
				35					40					45
Ala	Trp	Gly	Thr	Leu	Ala	Ala	Phe	Gly	Asp	Leu	Asn	Ser	Asp	Lys
				50					55					60
Gln	Thr	Asp	Leu	Phe	Val	Leu	Arg	Glu	Arg	Asn	Asp	Leu	Ile	Val
				65					70					75
Phe	Leu	Ala	Asp	Gln	Asn	Ala	Pro	Tyr	Phe	Lys	Pro	Lys	Val	Lys
				80					85					90
Val	Ser	Phe	Lys	Asn	His	Ser	Ala	Leu	Ile	Thr	Ser	Val	Val	Pro
				95					100					105
Gly	Asp	Tyr	Asp	Gly	Asp	Ser	Gln	Met	Asp	Val	Leu	Leu	Thr	Tyr
				110					115					120
Leu	Pro	Lys	Asn	Tyr	Ala	Lys	Ser	Glu	Leu	Gly	Ala	Val	Ile	Phe
				125					130					135
Trp	Gly	Gln	Asn	Gln	Thr	Leu	Asp	Pro	Asn	Asn	Met	Thr	Ile	Leu
				140					145					150
Asn	Arg	Thr	Phe	Gln	Asp	Glu	Pro	Leu	Ile	Met	Asp	Phe	Asn	Gly
				155					160					165
Asp	Leu	Ile	Pro	Asp	Ile	Phe	Gly	Ile	Thr	Asn	Glu	Ser	Asn	Gln
				170					175					180
Pro	Gln	Ile	Leu	Leu	Gly	Gly	Asn	Leu	Ser	Trp	His	Pro	Ala	Leu
				185					190					195
Thr	Thr	Thr	Ser	Lys	Met	Arg	Ile	Pro	His	Ser	His	Ala	Phe	Ile
				200					205					210
Asp	Leu	Thr	Glu	Asp	Phe	Thr	Ala	Asp	Leu	Phe	Leu	Thr	Thr	Leu
				215					220					225
Asn	Ala	Thr	Thr	Ser	Thr	Phe	Gln	Phe	Glu	Ile	Trp	Glu	Asn	Leu
				230					235					240
Asp	Gly	Asn	Phe	Ser	Val	Ser	Thr	Ile	Leu	Glu	Lys	Pro	Gln	Asn

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	245	250	255
Met Met Val Val	Gly Gln Ser Ala Phe	Ala Asp Phe Asp Gly Asp	
	260	265	270
Gly His Met Asp	His Leu Leu Pro Gly	Cys Glu Asp Lys Asn Cys	
	275	280	285
Gln Lys Ser Thr	Ile Tyr Leu Val Arg	Ser Gly Met Lys Gln Trp	
	290	295	300
Val Pro Val Leu	Gln Asp Phe Ser Asn	Lys Gly Thr Leu Trp Gly	
	305	310	315
Phe Val Pro Phe	Val Asp Glu Gln Gln	Pro Thr Glu Ile Pro Ile	
	320	325	330
Pro Ile Thr Leu	His Ile Gly Asp Tyr	Asn Met Asp Gly Tyr Pro	
	335	340	345
Asp Ala Leu Val	Ile Leu Lys Asn Thr	Ser Gly Ser Asn Gln Gln	
	350	355	360
Ala Phe Leu Leu	Glu Asn Val Pro Cys	Asn Asn Ala Ser Cys Glu	
	365	370	375
Glu Ala Arg Arg	Met Phe Lys Val Tyr	Trp Glu Leu Thr Asp Leu	
	380	385	390
Asn Gln Ile Lys	Asp Ala Met Val Ala	Thr Phe Phe Asp Ile Tyr	
	395	400	405
Glu Asp Gly Ile	Leu Asp Ile Val Val	Leu Ser Lys Gly Tyr Thr	
	410	415	420
Lys Asn Asp Phe	Ala Ile His Thr Leu	Lys Asn Asn Phe Glu Ala	
	425	430	435
Asp Ala Tyr Phe	Val Lys Val Ile Val	Leu Ser Gly Leu Cys Ser	
	440	445	450
Asn Asp Cys Pro	Arg Lys Ile Thr Pro	Phe Gly Val Asn Gln Pro	
	455	460	465
Gly Pro Tyr Ile	Met Tyr Thr Thr Leu	Asp Ala Asn Gly Tyr Leu	
	470	475	480
Lys Asn Gly Ser	Ala Gly Gln Leu Ser	Gln Ser Ala His Leu Ala	
	485	490	495
Leu Gln Leu Pro	Tyr Asn Val Leu Gly	Leu Gly Arg Ser Ala Asn	
	500	505	510
Phe Leu Asp His	Leu Tyr Val Gly Ile	Pro Arg Pro Ser Gly Glu	
	515	520	525
Lys Ser Ile Arg	Lys Gln Glu Trp Thr	Ala Ile Ile Pro Asn Ser	
	530	535	540
Gln Leu Ile Val	Ile Pro Tyr Pro His	Asn Val Pro Arg Ser Trp	
	545	550	555
Ser Ala Lys Leu	Tyr Leu Thr Pro Ser	Asn Ile Val Leu Leu Thr	
	560	565	570
Ala Ile Ala Leu	Ile Gly Val Cys Val	Phe Ile Leu Ala Ile Ile	
	575	580	585
Gly Ile Leu His	Trp Gln Glu Lys Lys	Ala Asp Asp Arg Glu Lys	
	590	595	600
Arg Gln Glu Ala	His Arg Phe His Phe	Asp Ala Met	
	605	610	

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<210> 37
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1990522

<400> 37
Met Ala Ala Pro Leu Ser Val Glu Val Glu Phe Gly Gly Gly Ala
1 5 10 15
Glu Leu Leu Phe Asp Gly Ile Lys Lys His Arg Val Thr Leu Pro
20 25 30
Gly Gln Glu Glu Pro Trp Asp Ile Arg Asn Leu Leu Ile Trp Ile
35 40 45
Lys Lys Asn Leu Leu Lys Glu Arg Pro Glu Leu Phe Ile Gln Gly
50 55 60
Asp Ser Val Arg Pro Gly Ile Leu Val Leu Ile Asn Asp Ala Asp
65 70 75
Trp Glu Leu Leu Gly Glu Leu Asp Tyr Gln Leu Gln Asp Gln Asp
80 85 90
Ser Val Leu Phe Ile Ser Thr Leu His Gly Gly
95 100

<210> 38
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2098087

<400> 38
Met Ala Lys Asp Ile Leu Gly Glu Ala Gly Leu His Phe Asp Glu
1 5 10 15
Leu Asn Lys Leu Arg Val Leu Asp Pro Glu Val Thr Gln Gln Thr
20 25 30
Ile Glu Leu Lys Glu Glu Cys Lys Asp Phe Val Asp Lys Ile Gly
35 40 45
Gln Phe Gln Lys Ile Val Gly Gly Leu Ile Glu Leu Val Asp Gln
50 55 60
Leu Ala Lys Glu Ala Glu Asn Glu Lys Met Lys Ala Ile Gly Ala
65 70 75
Arg Asn Leu Leu Lys Ser Ile Ala Lys Gln Arg Glu Ala Gln Gln
80 85 90
Gln Gln Leu Gln Ala Leu Ile Ala Glu Lys Lys Met Gln Leu Glu
95 100 105
Arg Tyr Arg Val Glu Tyr Glu Ala Leu Cys Lys Val Glu Ala Glu

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					110					115			120
Gln	Asn	Glu	Phe	Ile	Asp	Gln	Phe	Ile	Phe	Gln	Lys		
				125					130				

<210> 39
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2112230

<400> 39
Met Ala Asn Ser Gly Cys Lys Asp Val Thr Gly Pro Asp Glu Glu
1 5 10 15
Ser Phe Leu Tyr Phe Ala Tyr Gly Ser Asn Leu Leu Thr Glu Arg
20 25 30
Ile His Leu Arg Asn Pro Ser Ala Ala Phe Phe Cys Val Ala Arg
35 40 45
Leu Gln Asp Phe Lys Leu Asp Phe Gly Asn Ser Gln Gly Lys Thr
50 55 60
Ser Gln Thr Trp His Gly Gly Ile Ala Thr Ile Phe Gln Ser Pro
65 70 75
Gly Asp Glu Val Trp Gly Val Val Trp Lys Met Asn Lys Ser Asn
80 85 90
Leu Asn Ser Leu Asp Glu Gln Glu Gly Val Lys Ser Gly Met Tyr
95 100 105
Val Val Ile Glu Val Lys Val Ala Thr Gln Glu Gly Lys Glu Ile
110 115 120
Thr Cys Arg Ser Tyr Leu Met Thr Asn Tyr Glu Ser Ala Pro Pro
125 130 135
Ser Pro Gln Tyr Lys Lys Ile Ile Cys Met Gly Ala Lys Glu Asn
140 145 150
Gly Leu Pro Leu Glu Tyr Gln Glu Lys Leu Lys Ala Ile Glu Pro
155 160 165
Asn Asp Tyr Thr Gly Lys Val Ser Glu Glu Ile Glu Asp Ile Ile
170 175 180
Lys Lys Gly Glu Thr Gln Thr Leu
185

<210> 40
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2117050

PF-0356-3 DIV

<400> 40

Met	Thr	Asp	Arg	Tyr	Thr	Ile	His	Ser	Gln	Leu	Glu	His	Leu	Gln
1				5					10					15
Ser	Lys	Tyr	Ile	Gly	Thr	Gly	His	Ala	Asp	Thr	Thr	Lys	Trp	Glu
				20					25					30
Trp	Leu	Val	Asn	Gln	His	Arg	Asp	Ser	Tyr	Cys	Ser	Tyr	Met	Gly
				35					40					45
His	Phe	Asp	Leu	Leu	Asn	Tyr	Phe	Ala	Ile	Ala	Glu	Asn	Glu	Ser
				50					55					60
Lys	Ala	Arg	Val	Arg	Phe	Asn	Leu	Met	Glu	Lys	Met	Leu	Gln	Pro
				65					70					75
Cys	Gly	Pro	Pro	Ala	Asp	Lys	Pro	Glu	Glu	Asn				
				80					85					

<210> 41

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2184712

<400> 41

Met	Ser	Gly	Leu	Gly	Arg	Leu	Phe	Gly	Lys	Gly	Lys	Lys	Glu	Lys
1				5					10					15
Gly	Pro	Thr	Pro	Glu	Glu	Ala	Ile	Gln	Lys	Leu	Lys	Glu	Thr	Glu
				20					25					30
Lys	Ile	Leu	Ile	Lys	Lys	Gln	Glu	Phe	Leu	Glu	Gln	Lys	Ile	Gln
				35					40					45
Gln	Glu	Leu	Gln	Thr	Ala	Lys	Lys	Tyr	Gly	Thr	Lys	Asn	Lys	Arg
				50					55					60
Ala	Ala	Leu	Gln	Ala	Leu	Arg	Arg	Lys	Lys	Arg	Phe	Glu	Gln	Gln
				65					70					75
Leu	Ala	Gln	Thr	Asp	Gly	Thr	Leu	Ser	Thr	Leu	Glu	Phe	Gln	Arg
				80					85					90
Glu	Ala	Ile	Glu	Asn	Ala	Thr	Thr	Asn	Ala	Glu	Val	Leu	Arg	Thr
				95					100					105
Met	Glu	Leu	Ala	Ala	Gln	Ser	Met	Lys	Lys	Ala	Tyr	Gln	Asp	Met
				110					115					120
Asp	Ile	Asp	Lys	Val	Asp	Glu	Leu	Met	Thr	Asp	Ile	Thr	Glu	Gln
				125					130					135
Gln	Glu	Val	Ala	Gln	Gln	Ile	Ser	Asp	Ala	Ile	Ser	Arg	Pro	Met
				140					145					150
Gly	Phe	Gly	Asp	Asp	Val	Asp	Glu	Asp	Glu	Leu	Leu	Glu	Glu	Leu
				155					160					165
Glu	Glu	Leu	Glu	Gln	Glu	Glu	Leu	Ala	Gln	Glu	Leu	Leu	Asn	Val
				170					175					180
Gly	Asp	Lys	Glu	Glu	Glu	Pro	Ser	Val	Lys	Leu	Pro	Ser	Val	Pro
				185					190					195

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Ser	Thr	His	Leu	Pro	Ala	Gly	Pro	Ala	Pro	Lys	Val	Asp	Glu	Asp
				200					205					210
Glu	Glu	Ala	Leu	Lys	Gln	Leu	Ala	Glu	Trp	Val	Ser			
				215					220					

<210> 42

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2290475

<400> 42

Met	Ser	Gly	Ser	Asn	Gly	Ser	Lys	Glu	Asn	Ser	His	Asn	Lys	Ala
1				5					10					15
Arg	Thr	Ser	Pro	Tyr	Pro	Gly	Ser	Lys	Val	Glu	Arg	Ser	Gln	Val
				20					25					30
Pro	Asn	Glu	Lys	Val	Gly	Trp	Leu	Val	Glu	Trp	Gln	Asp	Tyr	Lys
				35					40					45
Pro	Val	Glu	Tyr	Thr	Ala	Val	Ser	Val	Leu	Ala	Gly	Pro	Arg	Trp
				50					55					60
Ala	Asp	Pro	Gln	Ile	Ser	Glu	Ser	Asn	Phe	Ser	Pro	Lys	Phe	Asn
				65					70					75
Glu	Lys	Asp	Gly	His	Val	Glu	Arg	Lys	Ser	Lys	Asn	Gly	Leu	Tyr
				80					85					90
Glu	Ile	Glu	Asn	Gly	Arg	Pro	Arg	Asn	Pro	Ala	Gly	Arg	Thr	Gly
				95					100					105
Leu	Val	Gly	Arg	Gly	Leu	Leu	Gly	Arg	Trp	Gly	Pro	Asn	His	Ala
				110					115					120
Ala	Asp	Pro	Ile	Ile	Thr	Arg	Trp	Lys	Arg	Asp	Ser	Ser	Gly	Asn
				125					130					135
Lys	Ile	Met	His	Pro	Val	Ser	Gly	Lys	His	Ile	Leu	Gln	Phe	Val
				140					145					150
Ala	Ile	Lys	Arg	Lys	Asp	Cys	Gly	Glu	Trp	Ala	Ile	Pro	Gly	Gly
				155					160					165
Met	Val	Asp	Pro	Gly	Glu	Lys	Ile	Ser	Ala	Thr	Leu	Lys	Arg	Glu
				170					175					180
Phe	Gly	Glu	Glu	Ala	Leu	Asn	Ser	Leu	Gln	Lys	Thr	Ser	Ala	Glu
				185					190					195
Lys	Arg	Glu	Ile	Glu	Glu	Lys	Leu	His	Lys	Leu	Phe	Ser	Gln	Asp
				200					205					210
His	Leu	Val	Ile	Tyr	Lys	Gly	Tyr	Val	Asp	Asp	Pro	Arg	Asn	Thr
				215					220					225
Asp	Asn	Ala	Trp	Met	Glu	Thr	Glu	Ala	Val	Asn	Tyr	His	Asp	Glu
				230					235					240
Thr	Gly	Glu	Ile	Met	Asp	Asn	Leu	Met	Leu	Glu	Ala	Gly	Asp	Asp
				245					250					255
Ala	Gly	Lys	Val	Lys	Trp	Val	Asp	Ile	Asn	Asp	Lys	Leu	Lys	Leu

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	260		265		270									
Tyr	Ala	Ser	His	Ser	Gln	Phe	Ile	Lys	Leu	Val	Ala	Glu	Lys	Arg
	275				280				285					
Asp	Ala	His	Trp	Ser	Glu	Asp	Ser	Glu	Ala	Asp	Cys	His	Ala	Leu
	290				295				300					

<210> 43
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2353452

<400> 43
 Met Glu Ala Tyr Glu Gln Val Gln Lys Gly Pro Leu Lys Leu Lys
 1 5 10 15
 Gly Val Ala Glu Leu Gly Val Thr Lys Arg Lys Lys Lys Lys Lys
 20 25 30
 Asp Lys Asp Lys Ala Lys Leu Leu Glu Ala Met Gly Thr Ser Lys
 35 40 45
 Lys Asn Glu Glu Glu Lys Arg Arg Gly Leu Asp Lys Arg Thr Pro
 50 55 60
 Ala Gln Ala Ala Phe Glu Lys Met Gln Glu Lys Arg Gln Met Glu
 65 70 75
 Arg Ile Leu Lys Lys Ala Ser Lys Thr His Lys Gln Arg Val Glu
 80 85 90
 Asp Phe Asn Arg His Leu Asp Thr Leu Thr Glu His Tyr Asp Ile
 95 100 105
 Pro Lys Val Ser Trp Thr Lys
 110

<210> 44
 <211> 251
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2469611

<400> 44
 Met Ser Asp Ile Gly Asp Trp Phe Arg Ser Ile Pro Ala Ile Thr
 1 5 10 15
 Arg Tyr Trp Phe Ala Ala Thr Val Ala Val Pro Leu Val Gly Lys
 20 25 30
 Leu Gly Leu Ile Ser Pro Ala Tyr Leu Phe Leu Trp Pro Glu Ala
 35 40 45

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Phe	Leu	Tyr	Arg	Phe	Gln	Ile	Trp	Arg	Pro	Ile	Thr	Ala	Thr	Phe	
				50					55					60	
Tyr	Phe	Pro	Val	Gly	Pro	Gly	Thr	Gly	Phe	Leu	Tyr	Leu	Val	Asn	
				65					70					75	
Leu	Tyr	Phe	Leu	Tyr	Gln	Tyr	Ser	Thr	Arg	Leu	Glu	Thr	Gly	Ala	
				80					85					90	
Phe	Asp	Gly	Arg	Pro	Ala	Asp	Tyr	Leu	Phe	Met	Leu	Leu	Phe	Asn	
				95					100					105	
Trp	Ile	Cys	Ile	Val	Ile	Thr	Gly	Leu	Ala	Met	Asp	Met	Gln	Leu	
				110					115					120	
Leu	Met	Ile	Pro	Leu	Ile	Met	Ser	Val	Leu	Tyr	Val	Trp	Ala	Gln	
				125					130					135	
Leu	Asn	Arg	Asp	Met	Ile	Val	Ser	Phe	Trp	Phe	Gly	Thr	Arg	Phe	
				140					145					150	
Lys	Ala	Cys	Tyr	Leu	Pro	Trp	Val	Ile	Leu	Gly	Phe	Asn	Tyr	Ile	
				155					160					165	
Ile	Gly	Gly	Ser	Val	Ile	Asn	Glu	Leu	Ile	Gly	Asn	Leu	Val	Gly	
				170					175					180	
His	Leu	Tyr	Phe	Phe	Leu	Met	Phe	Arg	Tyr	Pro	Met	Asp	Leu	Gly	
				185					190					195	
Gly	Arg	Asn	Phe	Leu	Ser	Thr	Pro	Gln	Phe	Leu	Tyr	Arg	Trp	Leu	
				200					205					210	
Pro	Ser	Arg	Arg	Gly	Gly	Val	Ser	Gly	Phe	Gly	Val	Pro	Pro	Ala	
				215					220					225	
Ser	Met	Arg	Arg	Ala	Ala	Asp	Gln	Asn	Gly	Gly	Gly	Gly	Arg	His	
				230					235					240	
Asn	Trp	Gly	Gln	Gly	Phe	Arg	Leu	Gly	Asp	Gln					
				245					250						

<210> 45

<211> 811

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2515476

<400> 45

Met	Pro	Leu	Ser	Ser	Pro	Asn	Ala	Ala	Ala	Thr	Ala	Ser	Asp	Met	
1				5					10					15	
Asp	Lys	Asn	Ser	Gly	Ser	Asn	Ser	Ser	Ser	Ala	Ser	Ser	Gly	Ser	
				20					25					30	
Ser	Lys	Gly	Gln	Gln	Pro	Pro	Arg	Ser	Ala	Ser	Ala	Gly	Pro	Ala	
				35					40					45	
Gly	Glu	Ser	Lys	Pro	Lys	Ser	Asp	Gly	Lys	Asn	Ser	Ser	Gly	Ser	
				50					55					60	
Lys	Arg	Tyr	Asn	Arg	Lys	Arg	Glu	Leu	Ser	Tyr	Pro	Lys	Asn	Glu	
				65					70					75	
Ser	Phe	Asn	Asn	Gln	Ser	Arg	Arg	Ser	Ser	Ser	Gln	Lys	Ser	Lys	

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				80					85					90
Thr	Phe	Asn	Lys	Met	Pro	Pro	Gln	Arg	Gly	Gly	Gly	Ser	Ser	Lys
				95					100					105
Leu	Phe	Ser	Ser	Ser	Phe	Asn	Gly	Gly	Arg	Arg	Asp	Glu	Val	Ala
				110					115					120
Glu	Ala	Gln	Arg	Ala	Glu	Phe	Ser	Pro	Ala	Gln	Phe	Ser	Gly	Pro
				125					130					135
Lys	Lys	Ile	Asn	Leu	Asn	His	Leu	Leu	Asn	Phe	Thr	Phe	Glu	Pro
				140					145					150
Arg	Gly	Gln	Thr	Gly	His	Phe	Glu	Gly	Ser	Gly	His	Gly	Ser	Trp
				155					160					165
Gly	Lys	Arg	Asn	Lys	Trp	Gly	His	Lys	Pro	Phe	Asn	Lys	Glu	Leu
				170					175					180
Phe	Leu	Gln	Ala	Asn	Cys	Gln	Phe	Val	Val	Ser	Glu	Asp	Gln	Asp
				185					190					195
Tyr	Thr	Ala	His	Phe	Ala	Asp	Pro	Asp	Thr	Leu	Val	Asn	Trp	Asp
				200					205					210
Phe	Val	Glu	Gln	Val	Arg	Ile	Cys	Ser	His	Glu	Val	Pro	Ser	Cys
				215					220					225
Pro	Ile	Cys	Leu	Tyr	Pro	Pro	Thr	Ala	Ala	Lys	Ile	Thr	Arg	Cys
				230					235					240
Gly	His	Ile	Phe	Cys	Trp	Ala	Cys	Ile	Leu	His	Tyr	Leu	Ser	Leu
				245					250					255
Ser	Glu	Lys	Thr	Trp	Ser	Lys	Cys	Pro	Ile	Cys	Tyr	Ser	Ser	Val
				260					265					270
His	Lys	Lys	Asp	Leu	Lys	Ser	Val	Val	Ala	Thr	Glu	Ser	His	Gln
				275					280					285
Tyr	Val	Val	Gly	Asp	Thr	Ile	Thr	Met	Gln	Leu	Met	Lys	Arg	Glu
				290					295					300
Lys	Gly	Val	Leu	Val	Ala	Leu	Pro	Lys	Ser	Lys	Trp	Met	Asn	Val
				305					310					315
Asp	His	Pro	Ile	His	Leu	Gly	Asp	Glu	Gln	His	Ser	Gln	Tyr	Ser
				320					325					330
Lys	Leu	Leu	Leu	Ala	Ser	Lys	Glu	Gln	Val	Leu	His	Arg	Val	Val
				335					340					345
Leu	Glu	Glu	Lys	Val	Ala	Leu	Glu	Gln	Gln	Leu	Ala	Glu	Glu	Lys
				350					355					360
His	Thr	Pro	Glu	Ser	Cys	Phe	Ile	Glu	Ala	Ala	Ile	Gln	Glu	Leu
				365					370					375
Lys	Thr	Arg	Glu	Glu	Ala	Leu	Ser	Gly	Leu	Ala	Gly	Ser	Arg	Arg
				380					385					390
Glu	Val	Thr	Gly	Val	Val	Ala	Ala	Leu	Glu	Gln	Leu	Val	Leu	Met
				395					400					405
Ala	Pro	Leu	Ala	Lys	Glu	Ser	Val	Phe	Gln	Pro	Arg	Lys	Gly	Val
				410					415					420
Leu	Glu	Tyr	Leu	Ser	Ala	Phe	Asp	Glu	Glu	Thr	Thr	Glu	Val	Cys
				425					430					435
Ser	Leu	Asp	Thr	Pro	Ser	Arg	Pro	Leu	Ala	Leu	Pro	Leu	Val	Glu
				440					445					450
Glu	Glu	Glu	Ala	Val	Ser	Glu	Pro	Glu	Pro	Glu	Gly	Leu	Pro	Glu

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	455	460	465
Ala Cys Asp Asp	Leu Glu Leu Ala Asp	Asp Asn Leu Lys Glu Gly	
	470	475	480
Thr Ile Cys Thr	Glu Ser Ser Gln Gln Glu	Pro Ile Thr Lys Ser	
	485	490	495
Gly Phe Thr Arg	Leu Ser Ser Ser Pro Cys	Tyr Tyr Phe Tyr Gln	
	500	505	510
Ala Glu Asp Gly	Gln His Met Phe Leu His	Pro Val Asn Val Arg	
	515	520	525
Cys Leu Val Arg	Glu Tyr Gly Ser Leu Glu	Arg Ser Pro Glu Lys	
	530	535	540
Ile Ser Ala Thr	Val Val Glu Ile Ala Gly	Tyr Ser Met Ser Glu	
	545	550	555
Asp Val Arg Gln	Arg His Arg Tyr Leu Ser	His Leu Pro Leu Thr	
	560	565	570
Cys Glu Phe Ser	Ile Cys Glu Leu Ala Leu	Gln Pro Pro Val Val	
	575	580	585
Ser Lys Glu Thr	Leu Glu Met Phe Ser Asp	Asp Ile Glu Lys Arg	
	590	595	600
Lys Arg Gln Arg	Gln Lys Lys Ala Arg Glu	Glu Arg Arg Arg Glu	
	605	610	615
Arg Arg Ile Glu	Ile Glu Glu Asn Lys Lys	Gln Gly Lys Tyr Pro	
	620	625	630
Glu Val His Ile	Pro Leu Glu Asn Leu Gln	Gln Phe Pro Ala Phe	
	635	640	645
Asn Ser Tyr Thr	Cys Ser Ser Asp Ser Ala	Leu Gly Pro Thr Ser	
	650	655	660
Thr Glu Gly His	Gly Ala Leu Ser Ile Ser	Pro Leu Ser Arg Ser	
	665	670	675
Pro Gly Ser His	Ala Asp Phe Leu Leu Thr	Pro Leu Ser Pro Thr	
	680	685	690
Ala Ser Gln Gly	Ser Pro Ser Phe Cys Val	Gly Ser Leu Glu Glu	
	695	700	705
Asp Ser Pro Phe	Pro Ser Phe Ala Gln Met	Leu Arg Val Gly Lys	
	710	715	720
Ala Lys Ala Asp	Val Trp Pro Lys Thr Ala	Pro Lys Lys Asp Glu	
	725	730	735
Asn Ser Leu Val	Pro Pro Ala Pro Val Asp	Ser Asp Gly Glu Ser	
	740	745	750
Asp Asn Ser Asp	Arg Val Pro Val Pro Ser	Phe Gln Asn Ser Phe	
	755	760	765
Ser Gln Ala Ile	Glu Ala Ala Phe Met Lys	Leu Asp Thr Pro Ala	
	770	775	780
Thr Ser Asp Pro	Leu Ser Glu Glu Lys Gly	Gly Lys Lys Arg Lys	
	785	790	795
Lys Gln Lys Gln	Lys Leu Leu Phe Ser Thr	Ser Val Val His Thr	
	800	805	810
Lys			

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<210> 46
<211> 352
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2754573

<400> 46
Met His Val Val Ala Pro Ala Ser Leu Arg Leu Gly Thr Gly Thr
1 5 10 15
Asn Leu Pro Pro Ser Pro Thr Cys Leu Thr Lys Leu Ala Leu Pro
20 25 30
Pro Ala Ala Glu Pro Ser Leu Leu Ala Met Ser Gln Ser Arg His
35 40 45
Arg Ala Glu Ala Pro Pro Leu Glu Arg Glu Asp Ser Gly Thr Phe
50 55 60
Ser Leu Gly Lys Met Ile Thr Ala Lys Pro Gly Lys Thr Pro Ile
65 70 75
Gln Val Leu His Glu Tyr Gly Met Lys Thr Lys Asn Ile Pro Val
80 85 90
Tyr Glu Cys Glu Arg Ser Asp Val Gln Ile His Val Pro Thr Phe
95 100 105
Thr Phe Arg Val Thr Val Gly Asp Ile Thr Cys Thr Gly Glu Gly
110 115 120
Thr Ser Lys Lys Leu Ala Lys His Arg Ala Ala Glu Ala Ala Ile
125 130 135
Asn Ile Leu Lys Ala Asn Ala Ser Ile Cys Phe Ala Val Pro Asp
140 145 150
Pro Leu Met Pro Asp Pro Ser Lys Gln Pro Lys Asn Gln Leu Asn
155 160 165
Pro Ile Gly Ser Leu Gln Glu Leu Ala Ile His His Gly Trp Arg
170 175 180
Leu Pro Glu Tyr Thr Leu Ser Gln Glu Gly Gly Pro Ala His Lys
185 190 195
Arg Glu Tyr Thr Thr Ile Cys Arg Leu Glu Ser Phe Met Glu Thr
200 205 210
Gly Lys Gly Ala Ser Lys Lys Gln Ala Lys Arg Asn Ala Ala Glu
215 220 225
Lys Phe Leu Ala Lys Phe Ser Asn Ile Ser Pro Glu Asn His Ile
230 235 240
Ser Leu Thr Asn Val Val Gly His Ser Leu Gly Cys Thr Trp His
245 250 255
Ser Leu Arg Asn Ser Pro Gly Glu Lys Ile Asn Leu Leu Lys Arg
260 265 270
Ser Leu Leu Ser Ile Pro Asn Thr Asp Tyr Ile Gln Leu Leu Ser
275 280 285
Glu Ile Ala Lys Glu Gln Gly Phe Asn Ile Thr Tyr Leu Asp Ile
290 295 300

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Asp	Glu	Leu	Ser	Ala	Asn	Gly	Gln	Tyr	Gln	Cys	Leu	Ala	Glu	Leu	
				305					310						315
Ser	Thr	Ser	Pro	Ile	Thr	Val	Cys	His	Gly	Ser	Gly	Ile	Ser	Cys	
				320					325						330
Gly	Asn	Ala	Gln	Ser	Asp	Ala	Ala	His	Asn	Ala	Leu	Gln	Tyr	Leu	
				335					340						345
Lys	Ile	Ile	Ala	Glu	Arg	Lys									
				350											

<210> 47

<211> 432

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2926777

<400> 47

Met	Ile	Ser	Ala	Ala	Gln	Leu	Leu	Asp	Glu	Leu	Met	Gly	Arg	Asp	
1				5					10					15	
Arg	Asn	Leu	Ala	Pro	Asp	Glu	Lys	Arg	Thr	Asn	Val	Arg	Trp	Asp	
				20					25					30	
His	Glu	Ser	Val	Cys	Lys	Tyr	Tyr	Leu	Cys	Gly	Phe	Cys	Pro	Ala	
				35					40					45	
Glu	Leu	Phe	Thr	Asn	Thr	Arg	Ser	Asp	Leu	Gly	Pro	Cys	Glu	Lys	
				50					55					60	
Ile	His	Asp	Glu	Asn	Leu	Arg	Lys	Gln	Tyr	Glu	Lys	Ser	Ser	Arg	
				65					70					75	
Phe	Met	Lys	Val	Gly	Tyr	Glu	Arg	Asp	Phe	Leu	Arg	Tyr	Leu	Gln	
				80					85					90	
Ser	Leu	Leu	Ala	Glu	Val	Glu	Arg	Arg	Ile	Arg	Arg	Gly	His	Ala	
				95					100					105	
Arg	Leu	Ala	Leu	Ser	Gln	Asn	Gln	Gln	Ser	Ser	Gly	Ala	Ala	Gly	
				110					115					120	
Pro	Thr	Gly	Lys	Asn	Glu	Glu	Lys	Ile	Gln	Val	Leu	Thr	Asp	Lys	
				125					130					135	
Ile	Asp	Val	Leu	Leu	Gln	Gln	Ile	Glu	Glu	Leu	Gly	Ser	Glu	Gly	
				140					145					150	
Lys	Val	Glu	Glu	Ala	Gln	Gly	Met	Met	Lys	Leu	Val	Glu	Gln	Leu	
				155					160					165	
Lys	Glu	Glu	Arg	Glu	Leu	Leu	Arg	Ser	Thr	Thr	Ser	Thr	Ile	Glu	
				170					175					180	
Ser	Phe	Ala	Ala	Gln	Glu	Lys	Gln	Met	Glu	Val	Cys	Glu	Val	Cys	
				185					190					195	
Gly	Ala	Phe	Leu	Ile	Val	Gly	Asp	Ala	Gln	Ser	Arg	Val	Asp	Asp	
				200					205					210	
His	Leu	Met	Gly	Lys	Gln	His	Met	Gly	Tyr	Ala	Lys	Ile	Lys	Ala	
				215					220					225	
Thr	Val	Glu	Glu	Leu	Lys	Glu	Lys	Leu	Arg	Lys	Arg	Thr	Glu	Glu	

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	230	235	240
Pro Asp Arg Asp	Glu Arg Leu Lys Lys	Glu Lys Gln Glu Arg Glu	
	245	250	255
Glu Arg Glu Lys	Glu Arg Glu Arg Glu Arg	Glu Glu Arg Glu Arg	
	260	265	270
Lys Arg Arg Arg	Glu Glu Glu Glu Arg	Glu Lys Glu Arg Ala Arg	
	275	280	285
Asp Arg Glu Arg	Arg Lys Arg Ser Arg	Ser Arg Ser Arg His Ser	
	290	295	300
Ser Arg Thr Ser	Asp Arg Arg Cys Ser	Arg Ser Arg Asp His Lys	
	305	310	315
Arg Ser Arg Ser	Arg Glu Arg Arg Arg	Thr Arg Ser Arg Asp Arg	
	320	325	330
Arg Arg Ser Arg	Ser His Asp Arg Ser	Glu Arg Lys His Arg Ser	
	335	340	345
Arg Ser Arg Asp	Arg Arg Arg Ser Lys	Ser Arg Asp Arg Lys Ser	
	350	355	360
Tyr Lys His Arg	Ser Lys Ser Arg Asp	Arg Glu Gln Asp Arg Lys	
	365	370	375
Ser Lys Glu Lys	Glu Lys Arg Gly Ser	Asp Asp Lys Lys Ser Ser	
	380	385	390
Val Lys Ser Gly	Ser Arg Glu Lys Gln	Ser Glu Asp Thr Asn Thr	
	395	400	405
Glu Ser Lys Glu	Ser Asp Thr Lys Asn	Glu Val Asn Gly Thr Ser	
	410	415	420
Glu Asp Ile Lys	Ser Glu Gly Asp Thr	Gln Ser Asn	
	425	430	

<210> 48
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3217567

<400> 48

Met Ala Ala Ala	Glu Glu Glu Asp Gly Gly	Pro Glu Gly Pro Asn
1	5	10
Arg Glu Arg Gly	Gly Ala Gly Ala Thr Phe	Glu Cys Asn Ile Cys
	20	25
Leu Glu Thr Ala	Arg Glu Ala Val Val Ser	Val Cys Gly His Leu
	35	40
Tyr Cys Trp Pro	Cys Leu His Gln Trp Leu	Glu Thr Arg Pro Glu
	50	55
Arg Gln Glu Cys	Pro Val Cys Lys Ala Gly	Ile Ser Arg Glu Lys
	65	70
Val Val Pro Leu	Tyr Gly Arg Gly Ser Gln	Lys Pro Gln Asp Pro
	80	85
		90

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Arg	Leu	Lys	Thr	Pro	Pro	Arg	Pro	Gln	Gly	Gln	Arg	Pro	Ala	Pro	
				95					100					105	
Glu	Ser	Arg	Gly	Gly	Phe	Gln	Pro	Phe	Gly	Asp	Thr	Gly	Gly	Phe	
				110					115					120	
His	Phe	Ser	Phe	Gly	Val	Gly	Ala	Phe	Pro	Phe	Gly	Phe	Phe	Thr	
				125					130					135	
Thr	Val	Phe	Asn	Ala	His	Glu	Pro	Phe	Arg	Arg	Gly	Thr	Gly	Val	
				140					145					150	
Asp	Leu	Gly	Gln	Gly	His	Pro	Ala	Ser	Ser	Trp	Gln	Asp	Ser	Leu	
				155					160					165	
Phe	Leu	Phe	Leu	Ala	Ile	Phe	Phe	Phe	Phe	Trp	Leu	Leu	Ser	Ile	
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<210> 49

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3339274

<400> 49

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Gly	Ala	Ile	Gly	Pro	Tyr	Ser	Gln	Ala	Val	Leu	Val	Asp	Arg	Thr	
				20					25					30	
Ile	Tyr	Ile	Ser	Gly	Gln	Ile	Gly	Met	Asp	Pro	Ser	Ser	Gly	Gln	
				35					40					45	
Leu	Val	Ser	Gly	Gly	Val	Ala	Glu	Glu	Ala	Lys	Gln	Ala	Leu	Lys	
				50					55					60	
Asn	Met	Gly	Glu	Ile	Leu	Lys	Ala	Ala	Gly	Cys	Asp	Phe	Thr	Asn	
				65					70					75	
Val	Val	Lys	Thr	Thr	Val	Leu	Leu	Ala	Asp	Ile	Asn	Asp	Phe	Asn	
				80					85					90	
Thr	Val	Asn	Glu	Ile	Tyr	Lys	Gln	Tyr	Phe	Lys	Ser	Asn	Phe	Pro	
				95					100					105	
Ala	Arg	Ala	Ala	Tyr	Gln	Val	Ala	Ala	Leu	Pro	Lys	Gly	Ser	Arg	
				110					115					120	
Ile	Glu	Ile	Glu	Ala	Val	Ala	Ile	Gln	Gly	Pro	Leu	Thr	Thr	Ala	
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Ser	Leu														

<210> 50

<211> 1600

<212> DNA

<213> Homo sapiens

PF-0356-3 DIV

<220>

<221> misc_feature

<223> Incyte ID No: 000133

<400> 50

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gttcgattga gtgaaacaga cttcaaagtt atggcaagag atgagttaat tctaagatgg 180
aaacaatatg aagcatatgt acaagctttg gagggcaagt acacagatct taactctaata 240
gatgtaactg gcctaagaga gtctgaagaa aaactaaagc aacaacagca ggagtctgca 300
cgcagggaaa acatccttgt aatgcgacta gcaaccaagg aacaagagat gcaagagtgt 360
actactcaaa tccagtacct caagcaagtc cagcagccga gcgttgccca actgagatca 420
acaatggtag acccagcgat caacttgttt ttcctaaaaa tgaaagggtga actggaacag 480
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aggtaaacia atcatactcc ccagtcaaga cttccctgac agtcccacta cgagaaaagct 600
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<210> 51

<211> 1033

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 001762

<400> 51

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taatgctaac gctagcaagt aaactgaagc gtgacgatgg tctcaaagg tccggacgg 180
cagccacagc gtccgactcg actcggaggg tttctgtgag agacaaattg cttgttaaag 240
aggttgcaga acttgaagct aatttacctt gtacatgtaa agtgcatttt cctgatccaa 300
acaagcttca ttgttttcag ctaacagtaa ccccagatga gggttactac caggggtgaa 360
aatttcagtt tgaaactgaa gttcccgatg cgtacaacat ggtgcctccc aaagtgaat 420
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PF-0356-3 DIV

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gcctgaccaa gatctggcac cccaacatca cagagacagg ggaaatatgt ctgagtttat 480
tgagagaaca ttcaattgat ggcaactggct gggctccac aagaacatta aaggatgtcg 540
tttggggatt aaactctttg tttactgac ttttgaattt tgatgatcca ctgaatattg 600
aagctgcaga acatcatttg cgggacaagg aggacttccg gaataaagtg gatgactaca 660
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aagagtgtgc tgcttacctt aacatgttta cttttttgaa cttgtactgt ataggctgtt 960
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ttcccaaaca aaa 1033
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<210> 52

<211> 1837

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 001847

<400> 52

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gacaaaacag caaaaatcag ctgtcagacg tcgattgcag aaaggagaag caaatatatt 1620
taccaagcaa cgtagggaaa acatgcaaaa tatcaaatca agtttggaag cagctagctt 1680
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PF-0356-3 DIV

ttggggagaa taatatatattt aggatcttgg atatgttttaa tatatattttt aaagttactg 1740
taatttccttt ttgagccctc atttgtcttt tttgagccaa ggctatcata tattaataaa 1800
taaaccctcc tttcatctat aaaaaaaaaa aaaaaaa 1837

<210> 53

<211> 2031

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 009337

<400> 53

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ttaccccgga agagtgggga ctgctggacc tcaaacagaa gtccctgtac agggaagtga 180
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cccggaatgc ccagatccag gccctatatg ctgaagatgg aagcctgagt gcagatgcc 480
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<210> 54

PF-0356-3 DIV

<211> 1750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 009476

<400> 54

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cgcatcgcct cccacagcca cgtgaaaggg ctggggctgg acgagagcgg cttggccaag 180
caggcggcct cagggttgtt gggccaggag aacgcgcgag aggcattgtg cgtcatagta 240
gaattaatcg aaagcaagaa aatggctgga agagctgtct tgttggcagg acctcctgga 300
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gagaacttcc gcagggccat tgggctgcga ataaaggaga ccaaggaagt ttatgaagg 480
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aaaaaaaaa
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<210> 55

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 010370

<400> 55

PF-0356-3 DIV

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<210> 56

<211> 872

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 030137

<220>

<221> unsure

<222> 838

<223> a, t, c, g, or other

<400> 56

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PF-0356-3 DIV

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<210> 57
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<210> 58
<211> 1994
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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gccagacctg ggggtcacca tcgatctcat caatcctgac acctaccgca tcgaccccaa 540
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<210> 59

<211> 1594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 118160

<400> 59

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<211> 1460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 140516

<400> 60

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<211> 1594

<212> DNA

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 207452

<400> 61

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<210> 62

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 208836

<400> 62

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cccaggcagc cacggctgtt tcggagctca ggactctaaa atggcagagc agctttctcc 180
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cgacgaaggc tgcactgtgg ttcgaccgga aaagaagcgg gtgacccaca atccaatgat 360
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<210> 63

<211> 1309

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 569710

<220>

<221> unsure

<222> 89

<223> a, t, c, g, or other

<400> 63

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PF-0356-3 DIV

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<210> 64
<211> 76
<212> DNA
<213> Homo sapiens

<220>
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<210> 65
<211> 1327
<212> DNA
<213> Homo sapiens

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<211> 1892
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<210> 67
<211> 843
<212> DNA
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<220>
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PF-0356-3 DIV

<223> Incyte ID No: 691768

<220>

<221> unsure

<222> 688, 693, 730, 738, 778, 789

<223> a, t, c, g, or other

<400> 67

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gcaaagcacc ggacacgcgg gggaattnaa ganccgagaa cgaagccggt tgccccatt 720
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ttg 843
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<210> 68

<211> 1643

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 724157

<400> 68

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PF-0356-3 DIV

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gactccacct ggctgctgct gcggaggatc cgggccgagt cgggcaccaa gggactcttt 1140
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tcttcagct gcccccttcg tgtttcctg tgtttgctgt agctgggcat gtctccagga 1560
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<210> 69

<211> 2029

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 864683

<400> 69

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agaatatccc cgagttggcg gctgagctgg tgcagctggg cttcattagt gaggctgacc 1620
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PF-0356-3 DIV

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<210> 70

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 933353

<400> 70

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ggcgaccggt gactggtacc accgcatcga cccaccgtg ctgctgggag cgctgccgtt 180
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<210> 71

<211> 1139

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1404643

<400> 71

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tgatcacacc ttttcagttg tacttcaatc ctgaattaat ctttaaacac tttcaaatat 180
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cagactttgt atttatgttc ctttttggtg gattcttaat gacccttttt ggtctgtttg 360
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PF-0356-3 DIV

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gaataagaat tctgaaaaca ccatctattt tgaaagctat ttttgataca ccagatgagg 660
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<210> 72

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1561587

<400> 72

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<210> 73

<211> 2028

PF-0356-3 DIV

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1568361

<220>

<221> unsure

<222> 2, 4, 6-7, 15, 18-19, 41, 59, 70, 74, 95, 97, 119, 127, 131, 152, 158, 889

<223> a, t, c, g, or other

<400> 73

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<210> 74

PF-0356-3 DIV

<211> 1380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1572888

<400> 74

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<210> 75

<211> 2028

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1573677

<400> 75

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catgggggac aagtgggtct caaggtcagc agaccagag ctcagcctct ccagcacag 420
```

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ccccagctt tggctcaacc gcagtatcag agccctcagc agccacccca gaccgcgtgg 480
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cgtccctcac tgtcctggtg tccgattggg ctggatgggt ttggggcatg atgtgtggag 1860
gaactggaag gtgctttagg tctggttcag ggtcgggcat tctttgttgt ttgcacatct 1920
ttttaaattt tacacctttt cttaagaatt ctaatgccgt cttaagtttt tataccaata 1980
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<210> 76

<211> 1170

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1574624

<220>

<221> unsure

<222> 953, 962

<223> a, t, c, g, or other

<400> 76

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tagcctttga ttggctcagct tgactggcga cctttccct ctgcgacagt ttcccagggt 120
acctagtgtc tgagcggcac agacgagatc tcgatcgaag gcgagatggc ggacgtgcta 180
gatcttcacg aggctggggg cgaagatttc gccatggatg aggatgggga cgagagcatt 240
cacaaactga aagaaaaagc gaagaaacgg aagggtcgcg gctttggctc cgaagagggg 300
tcccagcgc ggatgcgtga ggattatgac agcgtggagc aggatggcga tgaacccgga 360
ccacaacgct ctgttgaagg ctggattctc tttgtaactg gagtccatga ggaagccacc 420

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PF-0356-3 DIV

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gaagaagaca tacacgacaa attcgcagaa tatgggggaaa ttaaaaaacat tcatctcaac 480
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gaagcccagg ctgctatgga gggactcaat ggccaggatt tgatgggaca gcccatacagc 600
gttgactggg gttttgttcg ggggccacca aaaggcaaga ggagagggtg cccaagacgc 660
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aaaagggttt tccgtttttc acgggggcctt                                     1170
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<210> 77

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1577239

<400> 77

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agtgggcctg gagcagctgc ggcggctcgg ggtgctctac tggaagctgg atgctgacaa 180
atatgagaat gatccagaat tagaaaagat ccgaagagag aggaactact cctggatgga 240
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gacgctcccc gcggggatct atcaccgctt cacggtggac gagaagaact acacgaaggc 480
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tgaagcccgc gggcagtagc tgaattttct ggcacagacc gcctagcagt gctgcctggg 600
aactaacacg cgctctgtaa aggtccccaat tgtaatgact gagcagaaaa tcaatcactt 660
tctcttttgc ttttagaggat agccttgagg ctagattatc tttcctttgt aagattattt 720
gatcagaata ttttgtaatg aaaggatcta gaaagcaact tggaagtgtg aagagtcacc 780
ttcattttct gtaactcaat caagactggg ggggtccatg cctgtgtgta gttcatgcat 840
tcagttgagt cccaaatgaa agtttcatct cccgaaatgc agttccttag atgcccactt 900
ggacgtgatg ccgcgcctgc cgtgtaagaa ggtgcaatcc tagataacac agctagccag 960
atagaagaca cttttttctc caaaatgatg ccttggggtg gggagtggta gggggaagag 1020
ctccaccctt aaggggcaca cactgagttg cttatgccac ttccttggtc aaaataaagt 1080
aactgcctta atcttatact catggct                                     1107
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<210> 78

<211> 1075

<212> DNA

<213> Homo sapiens

<220>

PF-0356-3 DIV

<221> misc_feature

<223> Incyte ID No: 1598203

<400> 78

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ggtgagggtg ccccgccctc acctgcagag gggccgttcc gggctcgaac ccggcacctt 120
ccggaaaatg gcggctgccg ggcccagcct gggccgagtc ctcccaggat cctctgtcct 180
gttctgtgtg gacatgcagg agaagttccg ccacaacatc gcctacttcc cacagatcgt 240
ctcagtgggt gcccgcatgc tcaaggtggc cgggtgctt gaggtgccag tcatgctgac 300
ggagcagtac ccacaaggcc tgggccccac ggtgcccag ctggggactg agggccttcg 360
gccgtgtggc aagacctgct tcagcatggt gcctgccctg cagcaggagc tggacagtgc 420
gccccagctg cgctctgtgc tgcctgtgtg cattgaggca caggcctgca tcttgaacac 480
gacctggac ctcttagacc gggggctgca ggtccatgtg gtggtggacg cctgctcctc 540
acgcagccag gtggaccggc tgggtggtct ggcccgcatg agacagagtg gtgccttctc 600
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ggagatccag aaactcatca aggagccgc cccagacagc ggactgctgg gcctcttcca 720
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tgaggcggg gtcgcccc gggccacttc acggggcggg aaggggaggg gaagaagagt 1020
ctcagactgt gggacacgga ctgcgagaat aaacatatat gtggcaaaaa aaaaa 1075
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<210> 79

<211> 1830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1600438

<400> 79

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cggacagaaa ttttatgaat aagcatcaga agccagtgtt aacaggccag cggttcaaaa 180
ctcgaaaaag ggatgaaaaa gagaaattcg aaccacagt cttcagggat acattgtcc 240
aggggcttaa tgaggctggt gatgacctg aagctgtagc caaatttctg gactctacag 300
gctcaagatt agattatcgt cgctatgcag acacactctt cgatatcctg gtggctggca 360
gtatgcttgc ccctggagga acgcgcatag atgatggtga caagaccaag atgaccaacc 420
actgtgtgtt ttcagcaaat gaagatcatg aaaccatccg aaactatgct caggcttca 480
ataaactcat caggagatat aagtatttgg agaaggcatt tgaagatgaa atgaaaaagc 540
ttctcctctt ccttaaagcc ttttccgaaa cagagcagac aaagtggcg atgctgtcgg 600
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cagaaaaaga tgccaactct gttacctcgt ctttgagaaa agccaactta gacaagggc 780
tgcttgaact ctttccagtt aacagacaga gtgtggatca ttttgctaaa tacttactg 840
acgcaggctt taaggagctt tccgacttcc tccgagtcca gcagtccttg ggcaccagga 900
aggaactgca gaaggagctc caggagcgtc tttctcagga atgcccgatc aaggagggtg 960
tgctttatgt caaagaagaa atgaagagga atgatcttcc agaaacagca gtgattggtc 1020
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PF-0356-3 DIV

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ttctgtggac atgtataatg aacgctgttg agtggaaaca gaaggaagaa cttgttgcag 1080
agcaggctct gaagcacctg aagcaatatg ctcccctgct ggccgtgttc agtccccaag 1140
gccagtcaga gctgacctc ctccagaagg ttcaggaata ctgctacgac aacatccatt 1200
tcatgaaagc ctttcagaag attgtgggtc tcttttataa agctgatgtt ctgagcgaag 1260
aagcaatact gaaatgggtat aaggaagcac atgttgctaa aggcaaaagt gtttttcttg 1320
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aaaaatagga taggcttccc ttgtgcagag ggagaaatgg ttttggtttt gttttgtttt 1560
taaattggagc cctgaggcat cagctattat acttggtgact ctacctctca ctactatat 1620
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tcctcctttt ttagctgtat ttttcaggta ctgtgtggtg accgccccac tgggtgtctat 1740
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taaaataaat ggctttttta gaaaaaaaaa 1830
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<210> 80

<211> 1330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1600518

<400> 80

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gctgtcatga aggacgtacc gggcttccta cagcagagcc agagctccgg gcccgggcag 120
cccgtgtgtg ggcaccgtct ggaggagctc tacacgaaga agttgtggca tcagctgaca 180
cttcagggtgc ttgattttgt gcaggatccg tgctttgccc aaggagatgg tctcattaag 240
ctttatgaaa actttatcag tgaatttgaa cacagggtga atcctttgtc cctcgtggaa 300
atcattcttc atgtagttag acagatgact gatcctaata tggctcttac tttctggaa 360
aagactcgtg agaagggtgaa aagtagtgat gaggcagtga tcctgtgtaa aacagcaatt 420
ggagctctaa aattaaacat cggggaccta caggttacia aggaaacaat tgaagatgtt 480
gaagaaatgc tcaacaacct tcctggtgtg acatcggttc acagtcgttt ctatgatctc 540
tccagtaaat actatcaaac aatcggaaac cacgcgtcct actacaaaga tgctctgcgg 600
tttttgggct gtgttgacat caaggatcta ccagtgtctg agcagcagga gagagccttc 660
acgctggggc tagcaggact tctcggcgag ggagttttta actttggaga actcctcatg 720
caccctgtgc tggagtcctt gaggaatact gaccggcagt ggctgattga caccctctat 780
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gagatgactt tcacacgacc tgccaatcac agacaactca cttttgaaga aattgccaaa 960
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acagaatggt 1330
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<210> 81

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<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1602473

<400> 81

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tgctgggtccc ggggtgatgct aggcggctcc ctgggctcca ggctgttgcg ggggttaggt 180
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ccccagttca tgaacatctt tcattataga ataattgatg tgagcactgt taaagaactg 660
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gcacttgatg acattagtga aagcatcaaa gagcttcagt tttaccgaaa taacatcttc 780
aagaaaaaaaa tagatgaaaa gaagaggaaa attatagaaa atggggaaaa tgagaagacc 840
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attgaaatgc aa 1152
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<210> 82

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1605720

<400> 82

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tgaagtttga aaagaaattt cagtctgaga aggcagcagg ctcggtgtcc aagagcacgc 180
agttttgagta cgcttggtgc ctggtgcgga gcaagtacaa tgatgacatc cgtaaaggca 240
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tctacctggc cgtggggaac taccggctca aggaatacga gaaggcctta aagtacgtcc 360
gcgggttgct gcagacagag cccagaaca accaggccaa ggaactggag cggctcattg 420
acaaggccat gaagaaagat ggactcgtgg gcatggccat cgtgggaggc atggccctgg 480
gtgtggcggg acttgccgga ctcacgggac ttgtgtgtc caagtccaaa ttctgaagga 540
gacgcgggag cccacggaga acgctc 566
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PF-0356-3 DIV

<210> 83
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1610501

<400> 83
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tgacttaaag atgggaaaag ggaaagtggc tgcccagtgc tctcatgctg ctgtttcagc 360
ctacaagcag attcaaagaa gaaatcctga aatgctcaaa caatgggaat actgtggcca 420
gcccaggtg gtggtcaaag ctctgatga agaaaccctg attgcattat tggcccatgc 480
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cttgagatga aaataaaacc tatta 745

<210> 84
<211> 909
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1720770

<400> 84
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aaaaaaaaa 909

PF-0356-3 DIV

<210> 85
<211> 2028
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1832295

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cgggcgctgc acaacgtcac ggccgagctc tttggggccg aggcctgggg cacccttgcg 180
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tctttcaaga atcacagtgc attgataaca agtgtagtcc ctggggatta tgatggagat 360
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caaattaagg atgccatggt tgccaccttc tttgacattt acgaagatgg aatcttggac 1260
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gagtggactg caatcattcc aaattcccag ctaattgtca ttccataccc tcacaatgtc 1680
cctcgaagtt ggagtgccaa actgtatctt acaccaagta atattgttct gcttactgct 1740
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gaaaagaaaag cagatgatag agaaaaacga caagaagccc accggtttca ttttgatgct 1860
atgtgacttg cttttaatat tacataatgg aatggctgtt cacttgatta gttgaaacac 1920
aaattctggc ttgaaaaaat aggggagatt aaatattatt tataaatgat gtatcccatg 1980
gtaattattg gaaagtattc aaataaatat ggtttgaata tgtcacia 2028

<210> 86
<211> 372
<212> DNA
<213> Homo sapiens

PF-0356-3 DIV

<220>

<221> misc_feature

<223> Incyte ID No: 1990522

<400> 86

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<223> Incyte ID No: 2098087

<400> 87

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<211> 1178

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2112230

<400> 88

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PF-0356-3 DIV

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<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2117050

<400> 89

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<211> 1078

<212> DNA

<213> Homo sapiens

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<221> misc_feature

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<223> Incyte ID No: 2184712

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<211> 1446

<212> DNA

<213> Homo sapiens

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<400> 91

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PF-0356-3 DIV

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<211> 659

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2353452

<400> 92

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<210> 93

<211> 1572

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2469611

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<221> unsure

<222> 1492, 1500, 1566

<223> a, t, c, g, or other

<400> 93

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<211> 3520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2515476

<400> 94

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<210> 95

<211> 1904

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PF-0356-3 DIV

<223> Incyte ID No: 2754573

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<221> unsure

<222> 32-33

<223> a, t, c, g, or other

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2926777

PF-0356-3 DIV

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<212> DNA

<213> Homo sapiens

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<221> unsure

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<400> 98

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